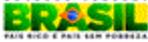


Uso Estratégico de Patentes em Negócios

conceitos, ferramentas e técnicas, com
foco em informações tecnológicas

Porto Alegre, PUCRS
23 e 24 de Janeiro de 2013

Realização:								
Apoio:								
								
								

- Ministrante

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Uso Estratégico de Patentes em Negócios com foco em informações tecnológicas

- Agenda
 - Revisão de fundamentos sobre patentes e sua aplicação prática em negócios
 - Uso estratégico de patentes e informações patentárias
 - Ferramentas e técnicas de busca e análise de informações patentárias
 - Fontes de informações, sistemas de busca e análise comerciais e gratuitos
 - Oficina prática

Uso Estratégico de Patentes em Negócios com foco em informações tecnológicas

- Agenda
 - Revisão de fundamentos sobre patentes e sua aplicação prática em negócios
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 - Fontes de informações, sistemas de busca e análise comerciais e gratuitos
 - Oficina prática

Patentes Conceitos Básicos

- O que é patente
- O que é patenteável
- O que não é patenteável
- Como é um documento de patente
- Como definir o escopo de proteção
- Como é o processo de patenteamento



O que é patente

- Patente é um título de propriedade que confere ao seu titular o direito de exclusividade de exploração de uma invenção, em um determinado território, por um limitado período de tempo, em troca da descrição da invenção.



O que é patente?

- Patente é um **título de propriedade** que confere ao seu titular direito de exclusividade de exploração de uma invenção, em um determinado território, por um limitado período de tempo, em troca da descrição da invenção.

Lei da Propriedade Industrial nº 9.279/96

http://www.planalto.gov.br/ccivil_03/leis/L9279.htm

Diversos Tratados Internacionais



Presidência da República

Casa Civil

Subchefia para Assuntos Jurídicos

LEI Nº 9.279, DE 14 DE MAIO DE 1996.

Regula direitos e obrigações relativos à propriedade industrial.

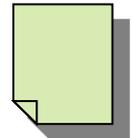
O PRESIDENTE DA REPÚBLICA Faço saber que o Congresso Nacional decreta e eu sanciono a seguinte Lei:

DISPOSIÇÕES PRELIMINARES

Art. 1º Esta Lei regula direitos e obrigações relativos à propriedade industrial.

Art. 2º A proteção dos direitos relativos à propriedade industrial, considerado o seu interesse social e o desenvolvimento tecnológico e econômico do País, efetua-se mediante:

- I - concessão de patentes de invenção e de modelo de utilidade;
- II - concessão de registro de desenho industrial;
- III - concessão de registro de marca;
- IV - repressão às falsas indicações geográficas; e
- V - repressão à concorrência desleal.



O que é patente

- Patente é um título de propriedade que confere ao seu titular o direito de **exclusividade de exploração** de uma invenção, em um determinado território, por um limitado período de tempo, em troca da descrição da invenção.

Direito de Excluir Terceiros

≠

Direito de Explorar

CAPÍTULO V

DA PROTEÇÃO CONFERIDA PELA PATENTE

Seção I

Dos Direitos

Art. 41. A extensão da proteção conferida pela patente será determinada pelo teor das reivindicações, interpretado com base no relatório descritivo e nos desenhos.

Art. 42. A patente confere ao seu titular o direito de impedir terceiro, sem o seu consentimento, de produzir, usar, colocar à venda, vender ou importar com estes propósitos:

I - produto objeto de patente;

II - processo ou produto obtido diretamente por processo patenteado.

§ 1º Ao titular da patente é assegurado ainda o direito de impedir que terceiros contribuam para que outros pratiquem os atos referidos neste artigo.

§ 2º Ocorrerá violação de direito da patente de processo, a que se refere o inciso II, quando o possuidor ou proprietário não comprovar, mediante determinação judicial específica, que o seu produto foi obtido por processo de fabricação diverso daquele protegido pela patente.

Art. 43. O disposto no artigo anterior não se aplica:

O que é patente

- Patente é um título de propriedade que confere ao seu titular direito de exclusividade de exploração de uma invenção, **em um determinado território**, por um limitado período de tempo, em troca da descrição da invenção.

Ex.: Para uma patente ter efeito no Brasil, deverá ser depositada e concedida no país.

O que é patente

- Patente é um título de propriedade que confere ao seu titular direito de exclusividade de exploração de uma invenção, em um determinado território, **por um limitado período de tempo**, em troca da descrição da invenção.
 - **Patente de Invenção:** 20 Anos após o depósito ou pelo menos 10 anos após a concessão
 - **Modelo de Utilidade:** 15 Anos após o depósito ou pelo menos 7 anos após a concessão

Da Vigência da Patente

Art. 40. A patente de invenção vigorará pelo prazo de 20 (vinte) anos e a de modelo de utilidade pelo prazo 15 (quinze) anos contados da data de depósito.

Parágrafo único. O prazo de vigência não será inferior a 10 (dez) anos para a patente de invenção e a 7 (sete) anos para a patente de modelo de utilidade, a contar da data de concessão, ressalvada a hipótese de o INPI estar impedido de proceder ao exame de mérito do pedido, por pendência judicial comprovada ou por motivo de força maior.

O que é patente

- Patente é um título de propriedade que confere ao seu titular o direito de exclusividade de exploração de uma invenção, em um determinado território, por um limitado período de tempo, **em troca da descrição da invenção.**

Notas: O escopo de proteção de uma patente depende da descrição da invenção. Em determinados casos, a manutenção de segredo industrial pode ser mais adequada.

Das Condições do Pedido

Art. 22. O pedido de patente de invenção terá de se referir a uma única invenção ou a um grupo de invenções inter-relacionadas de maneira a compreenderem um único conceito inventivo.

Art. 23. O pedido de patente de modelo de utilidade terá de se referir a um único modelo principal, que poderá incluir uma pluralidade de elementos distintos, adicionais ou variantes construtivas ou configurativas, desde que mantida a unidade técnico-funcional e corporal do objeto.

Art. 24. O relatório deverá descrever clara e suficientemente o objeto, de modo a possibilitar sua realização por técnico no assunto e indicar, quando for o caso, a melhor forma de execução.

Parágrafo único. No caso de material biológico essencial à realização prática do objeto do pedido, que não possa ser descrito na forma deste artigo e que não estiver acessível ao público, o relatório será suplementado por depósito do material em instituição autorizada pelo INPI ou indicada em acordo internacional.

Art. 25. As reivindicações deverão ser fundamentadas no relatório descritivo, caracterizando as particularidades do pedido e definindo, de modo claro e preciso, a matéria objeto da proteção.

Conceitos Básicos

- O que é patente
- O que é patenteável
- O que não é patenteável
- Como é um documento de patente
- Como definir o escopo de proteção
- Como é o processo de patenteamento

DAS INVENÇÕES E DOS MODELOS DE UTILIDADE PATENTEÁVEIS

Art. 8º É patenteável a invenção que atenda aos requisitos de novidade, atividade inventiva e aplicação industrial.

Art. 9º É patenteável como modelo de utilidade o objeto de uso prático, ou parte deste, suscetível de aplicação industrial, que apresente nova forma ou disposição, envolvendo ato inventivo, que resulte em melhoria funcional no seu uso ou em sua fabricação.

Art. 10. Não se considera invenção nem modelo de utilidade:

I - descobertas, teorias científicas e métodos matemáticos;

II - concepções puramente abstratas;

III - esquemas, planos, princípios ou métodos comerciais, contábeis, financeiros, educativos, publicitários, de sorteio e de fiscalização;

IV - as obras literárias, arquitetônicas, artísticas e científicas ou qualquer criação estética;

O que é patenteável

- É patenteável a invenção que atenda aos requisitos de novidade, atividade inventiva e aplicação industrial.



O que é patenteável

- É patenteável a invenção que atenda aos requisitos de **novidade**, atividade inventiva e aplicação industrial.



Art. 11. A invenção e o modelo de utilidade são considerados novos quando não compreendidos no estado da técnica.

§ 1º O estado da técnica é constituído por tudo aquilo tornado acessível ao público antes da data de depósito do pedido de patente, por descrição escrita ou oral, por uso ou qualquer outro meio, no Brasil ou no exterior, ressalvado o disposto nos arts. 12, 16 e 17.

§ 2º Para fins de aferição da novidade, o conteúdo completo de pedido depositado no Brasil, e ainda não publicado, será considerado estado da técnica a partir da data de depósito, ou da prioridade reivindicada, desde que venha a ser publicado, mesmo que subsequente.

§ 3º O disposto no parágrafo anterior será aplicado ao pedido internacional de patente depositado segundo tratado ou convenção em vigor no Brasil, desde que haja processamento nacional.

Art. 12. Não será considerada como estado da técnica a divulgação de invenção ou modelo de utilidade, quando ocorrida durante os 12 (doze) meses que precederem a data de depósito ou a da prioridade do pedido de patente, se promovida:

I - pelo inventor;

II - pelo Instituto Nacional da Propriedade Industrial - INPI, através de publicação oficial do pedido de patente depositado sem o consentimento do inventor, baseado em informações deste obtidas ou em decorrência de atos por ele realizados; ou

O que é patenteável

- É patenteável a invenção que atenda aos requisitos de novidade, **atividade inventiva** e aplicação industrial.



Art. 13. A invenção é dotada de atividade inventiva sempre que, para um técnico no assunto, não decorra de maneira evidente ou óbvia do estado da técnica.

Art. 14. O modelo de utilidade é dotado de ato inventivo sempre que, para um técnico no assunto, não decorra de maneira comum ou vulgar do estado da técnica.

Indícios para existência de Atividade Inventiva 1

(quanto mais itens, melhor)

- Prover resultado novo ou inesperado
- Lograr sucesso onde outros falharam
- Resolver com sucesso um problema nunca antes sequer reconhecido
- Resolver com sucesso um problema até então tido como insolúvel
- Ter logrado sucesso comercial
- Pertencer a um segmento ativo, em que pequenos avanços têm grande peso

Indícios para existência de Atividade Inventiva 2 (quanto mais itens, melhor)

- Omitir um elemento no estado da técnica sem levar a perda de desempenho
- Conter modificação não sugerida no estado da técnica
- Prover vantagem nunca antes apreciada
- Prover resultado operacional onde até então falhas prevaleciam
- Implementar com sucesso uma ideia antiga, mas nunca antes implementada
- Atender a uma necessidade conhecida e sentida a muito tempo
- Contrariar os ensinamentos do estado da técnica

Indícios para existência de Atividade Inventiva 3 (nova combinação de elementos já conhecidos)

- A combinação não é expressamente sugerida ou implícita no estado da técnica
- Referências no estado da técnica não poderiam ser fisicamente combinadas
- As referências não mostrariam a invenção, mesmo que fossem fisicamente combinadas
- As referências no estado da técnica não funcionariam se combinadas
- Mais de 3 referências teriam que ser combinadas para mostrar a invenção

Indícios para existência de Atividade Inventiva 4 (nova combinação de elementos já conhecidos)

- As próprias referências sugerem que elas não deveriam ser combinadas
- Etapas estranhas ou não usuais precisam ser utilizadas para a combinação das referências
- As referências pertencem a campos diferentes entre si ou a campos diferentes do da invenção
- A combinação provê sinergismo (resultados maiores do que os da soma dos resultados de cada referência)

O que é patenteável

- É patenteável a invenção que atenda aos requisitos de novidade, atividade inventiva e **aplicação industrial**.



Art. 15. A invenção e o modelo de utilidade são considerados suscetíveis de aplicação industrial quando possam ser utilizados ou produzidos em qualquer tipo de indústria.

Conceitos Básicos

- O que é patente
- O que é patenteável
- **O que não é patenteável**
- Como é um documento de patente
- Como definir o escopo de proteção
- Como é o processo de patenteamento

Das Invenções e Dos Modelos de Utilidade Não Patenteáveis

Art. 18. Não são patenteáveis:

I - o que for contrário à moral, aos bons costumes e à segurança, à ordem e à saúde públicas;

II - as substâncias, matérias, misturas, elementos ou produtos de qualquer espécie, bem como a modificação de suas propriedades físico-químicas e os respectivos processos de obtenção ou modificação, quando resultantes de transformação do núcleo atômico; e

III - o todo ou parte dos seres vivos, exceto os microorganismos transgênicos que atendam aos três requisitos de patenteabilidade - novidade, atividade inventiva e aplicação industrial - previstos no art. 8º e que não sejam mera descoberta.

Parágrafo único. Para os fins desta Lei, microorganismos transgênicos são organismos, exceto o todo ou parte de plantas ou de animais, que expressem, mediante intervenção humana direta em sua composição genética, uma característica normalmente não alcançável pela espécie em condições naturais.

Art. 10. Não se considera invenção nem modelo de utilidade:

I - descobertas, teorias científicas e métodos matemáticos;

II - concepções puramente abstratas;

III - esquemas, planos, princípios ou métodos comerciais, contábeis, financeiros, educativos, publicitários, de sorteio e de fiscalização;

IV - as obras literárias, arquitetônicas, artísticas e científicas ou qualquer criação estética;

V - programas de computador em si;

VI - apresentação de informações;

VII - regras de jogo;

VIII - técnicas e métodos operatórios ou cirúrgicos, bem como métodos terapêuticos ou de diagnóstico, para aplicação no corpo humano ou animal; e

IX - o todo ou parte de seres vivos naturais e materiais biológicos encontrados na natureza, ou ainda que dela isolados, inclusive o genoma ou germoplasma de qualquer ser vivo natural e os processos biológicos naturais.

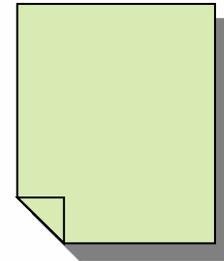
Conceitos Básicos

- O que é patente
- O que é patenteável
- O que não é patenteável
- **Como é um documento de patente**
- Como definir o escopo de proteção
- Como é o processo de patenteamento

Como é um documento de patente

Publicações de patentes têm uma estrutura padronizada, composta por:

- Titular
- Inventor
- Classificação
- Prioridade
- Anterioridades
- Resumo
- Relatório descritivo
- Reivindicações
- Desenhos (eventualmente)





US007146667B2

(12) **United States Patent**
Elsener

(10) **Patent No.:** **US 7,146,667 B2**
(45) **Date of Patent:** **Dec. 12, 2006**

(54) **POCKET TOOL**

(75) Inventor: **Carl Elsener**, Ibach (CH)

(73) Assignee: **Victorinox AG**, Ibach (CH)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/965,638**

(22) Filed: **Oct. 14, 2004**

(65) **Prior Publication Data**

US 2005/0081302 A1 Apr. 21, 2005

(30) **Foreign Application Priority Data**

Oct. 17, 2003 (AT) A 1650/2003

(51) **Int. Cl.**

B26B 11/00 (2006.01)

(52) **U.S. Cl.** 7/118; 7/170

(58) **Field of Classification Search** 7/118,
7/158, 170; 81/177.4; 365/200

See application file for complete search history.

(56) **References Cited**

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Primary Examiner—David B. Thomas

(74) *Attorney, Agent, or Firm*—Fross Zelnick Lehman & Zissu, P.C.; Philip T. Shannon, Esq.; Charles T. J. Weigell, Esq.

(57) **ABSTRACT**

The invention specifies a pocket tool, particularly a pocket knife (1) or plate-like tool card, comprising a housing (2) with at least one receiving area (10), and at least two functional components (11) movable from a storage position within the receiving area (10), into a working position outside of the receiving area (10). The first functional component (11) is designed as a tool, particularly a pair of scissors (16) or knife (1). The second functional component (11) has a support casing (25) and is equipped with a recordable and readable, nonvolatile memory, as well as with an interface (24). A releasable locking device and a longitudinal guide or pivot bearing are arranged between the support casing (25) of the second functional component (11) and the housing (2).

118 Claims, 14 Drawing Sheets

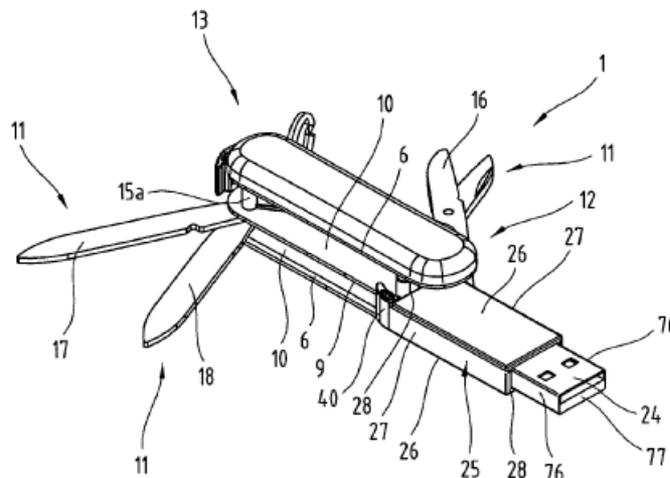


Fig. 3

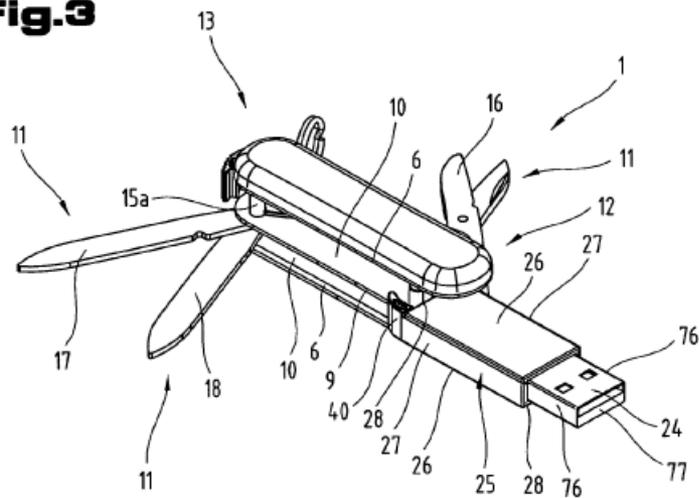


Fig. 4

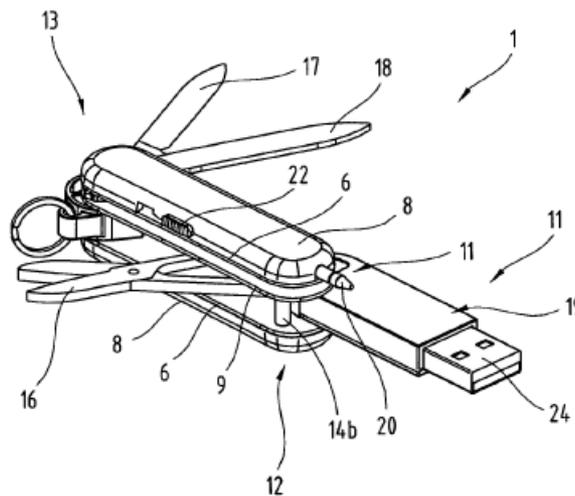


Fig.19

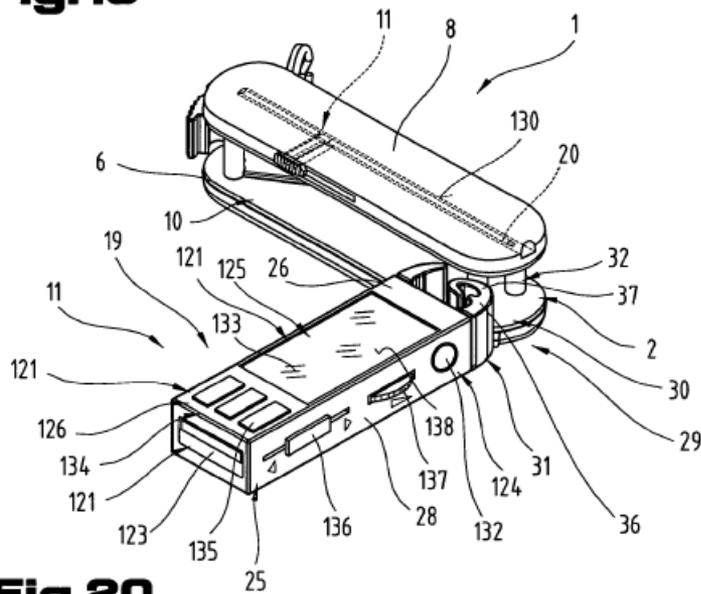


Fig.20

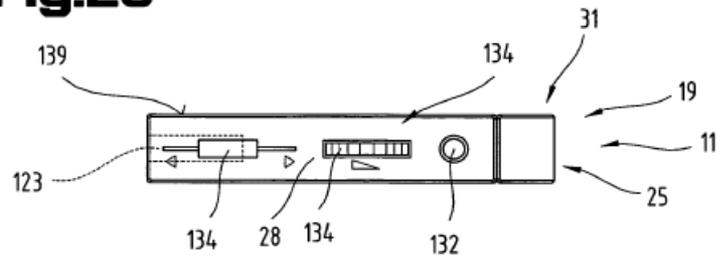
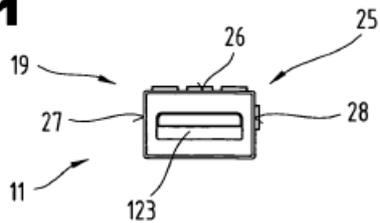


Fig.21



1
POCKET TOOL

CROSS REFERENCE TO RELATED
APPLICATIONS

Applicant claims priority under 35 U.S.C. §119 of AUSTRALIAN Patent Application No. A 1650/2003 filed on Oct. 17, 2003.

BACKGROUND OF THE INVENTION

1. Field of the Invention

The invention relates to a pocket tool as defined in the introductory parts of claims 1 and 44. Furthermore, it relates to a functional component as defined in the introductory part of claim 116.

2. The Prior Art

Different designs of pocket tools in the form of pocket knives or plate-shaped tool cards are known from WO 01/39629 A1 and CH 686 173 A5. Such tools comprise a housing with at least one receiving area and a number of functional components that are movable from a storage position within the receiving area, to a working position outside of the receiving area. On the one hand, such functional components are formed by tools such as, for example a pair of scissors, a knife, a screwdriver and the like, and by utensils such as, for example tooth picks, pincers or cleaning needles, on the other hand. The functionality of such known pocket tools is extended in that a battery-buffered random access memory (RAM) main memory, or a read-only memory (ROM) memory is arranged within the housing. Said memories are arranged locally fixed in the pocket knife. Programs or data can be stored in and recalled from such memories. The main memory is referred to also as a so-called volatile storage because it has to be supplied with the required voltage, so it will not lose the memory contents even if the supply voltage is shut off. Arranging the required battery in the housing leads to an overall enlargement of the size of the pocket tool, or that only a few functional components can be arranged in the housing with comparatively no change in the outside dimensions.

If the memory is designed as a ROM memory, data can only be read out from the memory; however, no data can be written into the memory, which means the user can exclusively utilize the data or programs preset by the manufacturer of the pocket tool, which highly restricts the field of application of such a pocket tool.

Furthermore, a multifunctional tool is known from WO 99/56918 A1, which has at least one measuring, input and display device for at least one physical quantity, said device being arranged in or on the tool. The display device may be formed in this connection by an LCD display serving for the visual output of physical quantities. The measuring and display device can be supplied with current by means of a battery and/or a solar cell. Furthermore, provision may be made in or on the tool for an interface in order to input data for the measuring and display device, and to transmit data from the latter. For converting the measured and/or input value into an electrical signal, provision can be made for a converter or microprocessor for converting the electrical signal into a standardized physical unit.

Such a multifunctional tool does in fact extend the functionality of a pocket knife or manual tool; however, the scope of functions is exclusively limited to the processing of detectable measured physical values.

The pocket tools known from the prior art are generally found to be lacking with respect to their capability of

2

processing digital data and outputting the latter in a form the user can detect, so there is a demand for additionally extending the scope of functions of pocket tools, while maintaining at the same time in the usual manner the scope of functions to which the user is accustomed to, such functions being achievable with functional tools or components such as, e.g. screwdrivers, knives, scissors, and utensils such as, e.g. toothpicks etc.

SUMMARY OF THE INVENTION

The present invention is based on the problem to extend the range of application of a pocket tool without influencing thereby the dimensions of the pocket tool as such. A part problem of the present invention consists in expanding the scope of functions and the range of application of the pocket tool with respect to its capability of processing digital data, the objective being to maintain the mechanical functionality through the availability of tools and utensils.

The problem of the invention is resolved by the features defined herein. The benefits resulting from said features include that the second functional component in the form of an electronic module can be moved for its application into a position outside of the receiving range of the pocket tool, achieving in this manner superior accessibility particularly to the interface. In the nonvolatile storage, it is possible to write in and read out data, for example text data or data as video and language information and the like, and programs, e.g. application programs and the like, whereby the non-volatile storage is wherein contrary to the known volatile main memories, where data and programs can be read in and written out as well, the electrical energy supply can be dispensed with, and the space volume otherwise required for accommodating, e.g. a battery in the housing, can be used either as an additional storage space or for additional tools. The functionality of the pocket tools, and in particular the memory capacity or the range of application as a tool can be significantly raised in this way without substantially increasing its outside dimensions. It is advantageous also that a releasable locking device is arranged between the functional component and the housing, because any unintentional removal of the functional component from its storage position, for example, is excluded to the greatest possible extent. The longitudinal guide or pivot-mount between the support casing of the second functional component, and the housing of the pocket tool effect a smooth movement of the second functional component vis-à-vis the receiving area or a bearing axle arranged in the housing.

One embodiment is advantageous in that, on the one hand, the memory and the control circuit and/or at least one peripheral are arranged within the support casing, which is enclosed on all sides and consequently protected from environmental influences such as, e.g. moisture, dust and the like; and that the support casing has high mechanical stability and is insensitive to pressure stress, on the other hand. The interface represents a link between the memory and an external EDP system.

As disclosed, it is also possible to maintain a standardized length of a pocket tool known in the prior art.

Beneficial sequence activities for the second functional component are also disclosed.

Further developments of the invention are advantageous in that the second functional component forming the electronics module is, in its working position, now completely separated from the housing, and can be used independently of the latter. Particularly the increasingly stricter security regulations in airline traffic prohibit passengers from using

be parameterized in a manner simple for the user. Particularly intuitive and user-friendly control is feasible via a user surface allotted to the controlling device, and by means of an electronic position detection system, particularly a touch screen, it is possible to provide a particularly compact structure of the control circuit, display and controlling device with just a few individual components.

Other useful exemplified embodiments of the pocket tool are disclosed that provide for simple controllability and adjustability of the functions of the control circuit.

Another useful embodiment of a peripheral, whereby it is advantageous particularly on account of an energy supply device formed by a self-sufficient energy storage according to claim 112, is that the pocket tool is not restricted in its mobility, and that the control circuit can be operated substantially without being dependent on any location. Particularly chemoelectrical energy storage means and especially rechargeable batteries can be employed in this connection, for example such as lithium or lithium-polymer accumulators, or one-way batteries.

Furthermore, a disclosed design variation is beneficial in that owing to the energy supply system provided in the pocket tool in the form of electrical conductors, the pocket tool either does not require its own energy storage means because electrical energy is supplied to the control circuit and to peripherals via the electrical conductors, or the energy storage means arranged in the pocket tool is rechargeable via the electrical conductors.

The invention further contemplates and discloses advantageous design variations for arranging the control circuit and at least one peripheral.

A further, independent solution to the problem as defined by the invention relates to another disclosed functional component. The benefit ensuing therefrom lies mainly in the fact that the first coupling component of the functional component serving for the connection to the other coupling component, comprises at the same time the bearing component, forming a pivot-mounted bearing site. The capability of the functional component of swiveling out of a receiving area in the housing of the pocket tool is therefore provided via the first coupling component, and the functional component can be released from the housing of the pocket tool in its swiveled-out condition.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention is explained in greater detail in the following with the help of the exemplified embodiments shown in the drawings, in which:

FIGS. 1 and 2 show perspective views of the pocket knife as defined by the invention, with an electronics module set to the storage position within the receiving area.

FIGS. 3 and 4 show perspective views of the pocket knife according to FIGS. 1 and 2, with the tools swiveled out, and the electronics module swiveled out into the position in which it is used.

FIG. 5 is a side view of the pocket knife according to FIG. 4.

FIG. 6 is a side view of the pocket knife according to FIG. 2.

FIG. 7 is a section along lines VII—VII in FIG. 6.

FIG. 8 is a perspective view of the pocket knife with the electronics module set to a removal position.

FIG. 9 is a side view of the pocket knife according to FIG. 8.

FIG. 10 shows an enlargement of a cutout of the pocket knife according to FIG. 9, with the pivot-mount arranged

between the support casing of the electronics module and the housing of the pocket knife, as well as its coupling device with a first design of the coupling components.

FIG. 11 is a perspective view of the closing cap for protecting the interface of the electronics module, the latter being fully pivoted into its storage position.

FIG. 12 is another side view and simplified representation of a coupling component of the coupling device of the pivot bearing.

FIG. 12a is a side view of a part section of the pocket knife with another design of a pivot bearing, and of a part section of the electronics module, the latter being inseparable from the housing.

FIG. 13 is a perspective view of the pocket knife, with the electronics module completely detached and separated from its casing.

FIG. 14 is a side view of the pocket knife and electronics module shown in a preliminary position prior to coupling it with the second coupling component of the housing.

FIG. 15 is a side view of a part section of the pocket knife and electronics module in a preliminary position prior to uncoupling it from the second coupling component of the housing.

FIG. 16 is a top view of a plate-like tool card shown by a highly simplified representation.

FIG. 17 is a highly simplified view of the tool card according to FIG. 16 according to lines XVII—XVII.

FIG. 18 is a longitudinal section and highly simplified representation of another possible design variation of a locking device disposed between the support casing of the electronics module and the housing of the tool card.

FIG. 19 is a perspective view of another design variation of the pocket knife with an electronics module comprising a control circuit and peripherals.

FIG. 20 is a side view of the electronics module according to FIG. 19.

FIG. 21 is a front view of the electronics module according to FIG. 19.

FIG. 22 shows a block diagram of the control circuit with different peripherals connected to said circuit.

FIG. 23 is a perspective view of another design variation of the pocket knife, with electronic components integrated in the housing.

FIG. 24 is a perspective view of another design variation of the pocket knife, with an electronics module detachable from the housing, and with electronic components arranged in the housing of the pocket tool.

FIG. 25 is a top view of a possible design variation of the pocket knife, with a plate-like electronics module.

FIG. 26 is a perspective view of another design variation of the pocket knife, with an external controlling unit for controlling the control circuit, and an external data medium.

FIG. 27 is a perspective view of yet another design variation of the pocket knife, with a plurality of electronics modules equipped in different ways.

FIG. 28 is a perspective view of yet another design variation of the pocket knife, with input/output devices provided on the cover plate; and

FIG. 29 is a perspective view of a possible design variation of a tool card comprising the electronics module.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

It is noted herewith by way of introduction that in the different embodiments described herein, identical components are provided with identical reference numerals and

-continued

LIST OF REFERENCE NUMERALS	
70	Connection wall
71	Receiving slot
72	Detent nose
73	Locking device
74	Flange
75	Key ring
76	Narrow-side wall
77	Face side
78	Angle
79	Pivot bearing area
80	Bearing bore
81	Adapter
82	Plug socket
83	Arrow
84	Arrow
85	Arrow
86	Arrow
88	Depression
90	Tool card
91	Width
92	Length
93	Longitudinal side surface
94	Transverse side surface
95	Housing
96	Base plate
97	Cover plate
98	Side surface
99	Partition
100	Receiving area
101	Receiving opening
102	Knife
103	Multifunctional tool
105	Pincers
106	Phillips screwdriver
107	Toothpick
108	Handle
109	Rule
110	Longitudinal guide
111	Guide surface
112	Side surface
113	Detent nose
114	Detent deepening
115	Memory card
120	Control circuit
121	Peripheral
122	Storage element
123	Data interface
124	Input/output interface
125	Input/output device
126	Operating system
127	Energy supply system
128	Signal and/or data bus
129	Storage element
130	Longitudinal guide
131	Plug socket
132	Jack
133	Display
134	Input element
135	Key elements
136	Sliding key
137	Controller
138	Representation zone
139	Outside surface
140	Broad side
141	Narrow side
142	Face side
143	Module frame
144	Coupling device
145	Coupling element
146	Coupling element
147	Contact element
148	Contact element
149	Bus interface
150	Riveted pin
151	Operating unit
152	Transmission line
153	Loudspeaker

-continued

LIST OF REFERENCE NUMERALS	
5	154 Mass storage
	155 Transmitter and/or receiver
	156 Connection system
	157 Snap arm
	158 Recess
10	159 Picture detection system
	160 Sound pick-up

What is claimed is:

1. A pocket tool, particularly a pocket knife or plate-like tool card, comprising a housing with at least one receiving area, and at least two functional components moveable from a storage position within the receiving area, into a working position outside of the receiving area, of which a first functional component is designed as a tool, particularly a pair of scissors, a knife or a utensil, in particular a toothpick, pincers, cleaning needle, writing pen, wherein a second functional component has a support casing and is equipped with a recordable and readable, nonvolatile memory, as well as an interface; and at least one releasable locking device and a longitudinal guide or a pivot bearing are arranged between the support bearing of the second functional component, and the housing.

2. The pocket tool according to claim 1, wherein the particularly oblong support casing of the second functional component comprises two parallel broad-side walls opposing one another; two parallel narrow-side walls extending substantially vertically between the broad-side walls and opposing one another; as well as two narrow-side walls opposing each other on the face side; and the memory is arranged within the support casing and the interface on one of the narrow-side walls on the face side.

3. The pocket tool according to claim 1, wherein the second functional component has only a part of the length of the housing.

4. The pocket tool according to claim 1, wherein the second functional component is adapted to pivot.

5. The pocket tool according to claim 1, wherein the second functional component is extractable.

6. The pocket tool according to claim 1, wherein the second functional component is separable from the housing.

7. The pocket tool according to claim 1, wherein the pivot bearing is equipped with a coupling device comprising coupling components engageable with and releasable from each other, whereby the support casing is provided with the first coupling component in one of its end areas, and the housing with the second coupling component in one of its face-side end areas.

8. The pocket tool according to claim 7, wherein the second coupling component is formed by a bearing axle, particularly a connection pin immovably arranged in the housing and extending perpendicular to the broad-side walls of the support casing.

9. The pocket tool according to claim 7, wherein the second coupling component is formed by an adapter pivot-mounted on the bearing axle immovably arranged in the housing and extending perpendicular to the broad-side walls of the support casing.

10. The pocket tool according to claim 9, wherein the adapter and the support casing each have at least one plug or detent or snap element; and that the second functional component is releasably connected with the adapter via a plug or detent or snap connection.

What is claimed is:

15 1. A pocket tool, particularly a pocket knife or plate-like tool card, comprising a housing with at least one receiving area, and at least two functional components moveable from a storage position within the receiving area, into a working position outside of the receiving area, of which a first functional component is designed as a tool, particularly a pair of scissors, a knife or a utensil, in particular a toothpick,
20 pincers, cleaning needle, writing pen, wherein a second functional component has a support casing and is equipped with a recordable and readable, nonvolatile memory, as well as an interface; and at least one releasable locking device and a longitudinal guide or a pivot bearing are arranged
25 between the support bearing of the second functional component, and the housing.

30 2. The pocket tool according to claim 1, wherein the particularly oblong support casing of the second functional component comprises two parallel broad-side walls opposing one another; two parallel narrow-side walls extending substantially vertically between the broad-side walls and opposing one another; as well as two narrow-side walls opposing each other on the face side; and the memory is
35 arranged within the support casing and the interface on one of the narrow-side walls on the face side.

3. The pocket tool according to claim 1, wherein the second functional component has only a part of the length of the housing.

Conceitos Básicos

- O que é patente
- O que é patenteável
- O que não é patenteável
- Como é um documento de patente
- **Como definir o escopo de proteção de uma patente**
- Como é o processo de patenteamento

CAPÍTULO V

DA PROTEÇÃO CONFERIDA PELA PATENTE

Seção I

Dos Direitos

Art. 41. A extensão da proteção conferida pela patente será determinada pelo teor das reivindicações, interpretado com base no relatório descritivo e nos desenhos.

Art. 42. A patente confere ao seu titular o direito de impedir terceiro, sem o seu consentimento, de produzir, usar, colocar à venda, vender ou importar com estes propósitos:

I - produto objeto de patente;

II - processo ou produto obtido diretamente por processo patenteado.

§ 1º Ao titular da patente é assegurado ainda o direito de impedir que terceiros contribuam para que outros pratiquem os atos referidos neste artigo.

Como definir a extensão da cobertura de uma patente - Interpretação

... caracterizado por: **A & B & C**

- Protege: **A & B & C**
A & B & C & D
A & B & C
- Não Protege: **(A & B) ã C**

Conceitos Básicos

- O que é patente
- O que é patenteável
- O que não é patenteável
- Como é um documento de patente
- Como definir o escopo de proteção
- Como é o processo de patenteamento

Como é o processo de patenteamento

- Busca prévia (estado da técnica)
- Definição do escopo da invenção, redação do pedido
- Depósito do primeiro pedido (T_0)
- Depósitos internacionais (T_{12} ou T_{30})
- Publicação do pedido (T_{18})
- Início do exame técnico pelo INPI (T_{20-36})
- Adequação do pedido
- Deferimento do pedido
- Expedição da Carta Patente
- Nulidade administrativa ou judicial

Uso Estratégico de Patentes em Negócios com foco em informações tecnológicas

- Agenda

- Revisão de fundamentos sobre patentes e sua aplicação prática em negócios
- Uso estratégico de patentes e informações patentárias
- Ferramentas e técnicas de busca e análise de informações patentárias
- Fontes de informações, sistemas de busca e análise comerciais e gratuitos
- Oficina prática

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- Estudos de patenteabilidade e (in)validade
- Estudos de liberdade de comercialização
- Mapeamento de segmentos tecnológicos
- Invenção estratégica
- Patenteamento estratégico
- Monitoramento de concorrentes
- Identificação e caracterização de parceiros
- Etc.

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TUDO TORNADO ACESSÍVEL AO PÚBLICO

POR QUALQUER MEIO

EM QUALQUER LUGAR

**ANTES DA DATA DE PRIORIDADE, COM
ALGUMAS EXCEÇÕES**

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- Estudos de patenteabilidade e (in)validade
- Estudos de liberdade de comercialização

- Map

TODAS AS PATENTES

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SOBRE TODOS OS COMPONENTES

- Pate

- Mon

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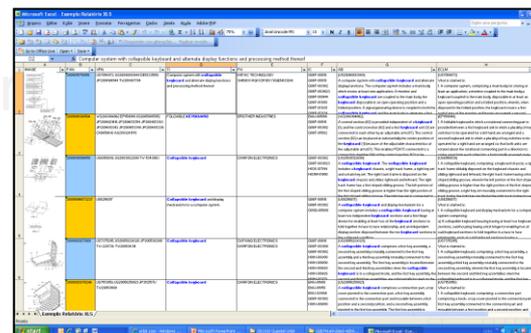
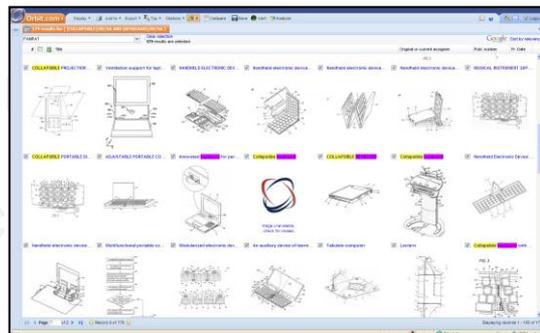
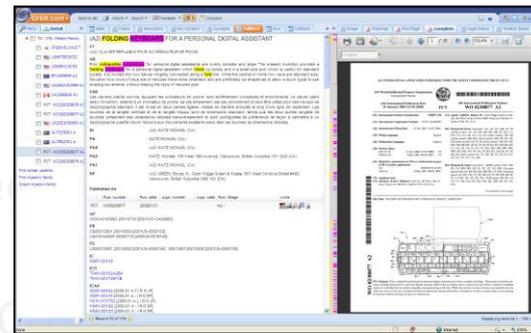
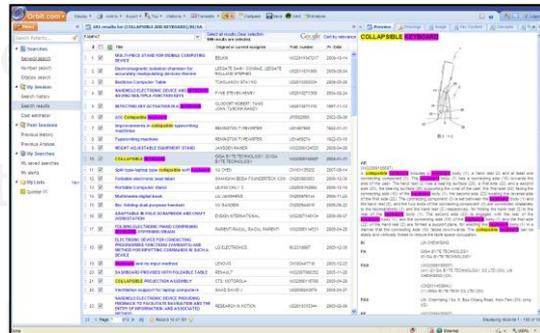
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- Etc.

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- Estudos de liberdade de comercialização
- Mapeamento de segmentos tecnológicos

O que?



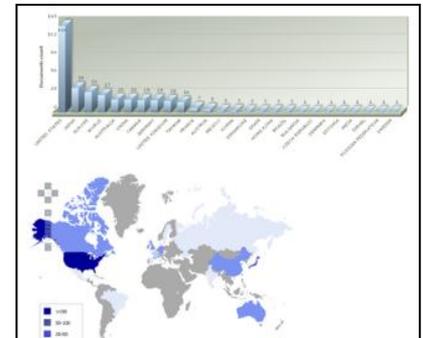
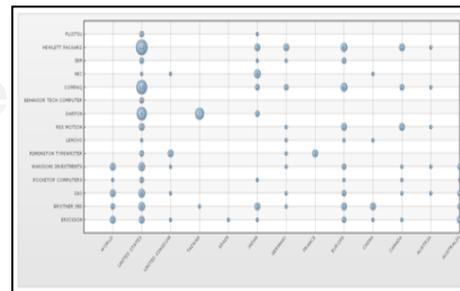
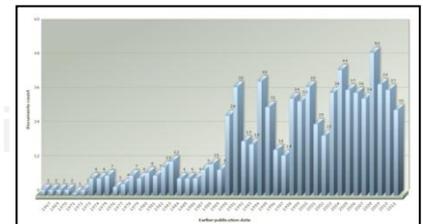
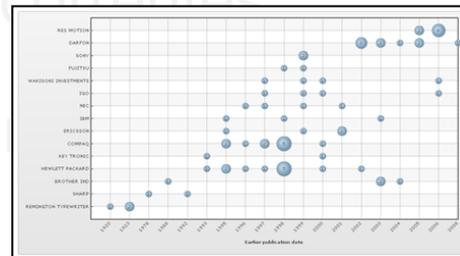
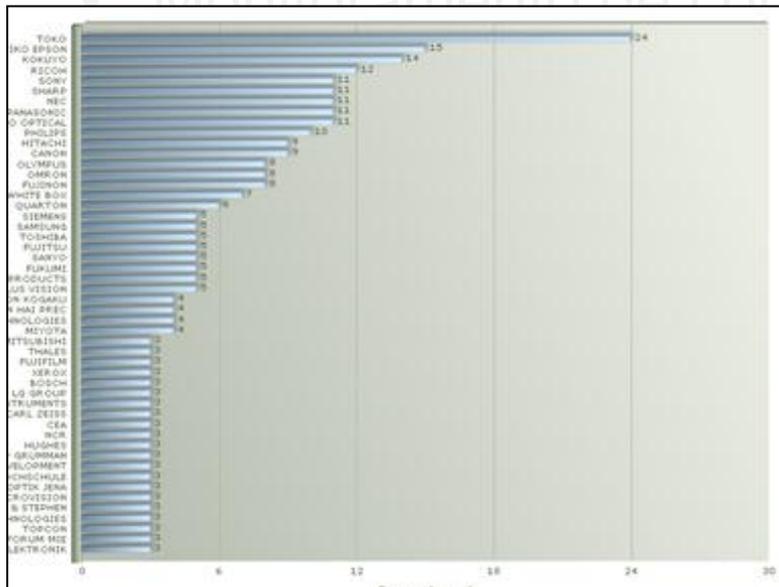
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- Estudos de liberdade de comercialização
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- Monitoramento de concorrentes

Quem ?

Quando?

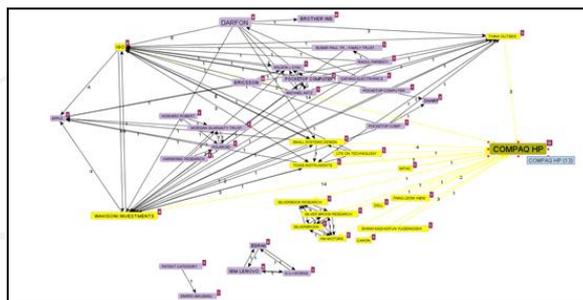
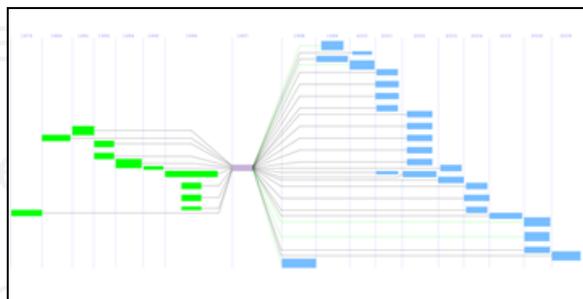
Onde?



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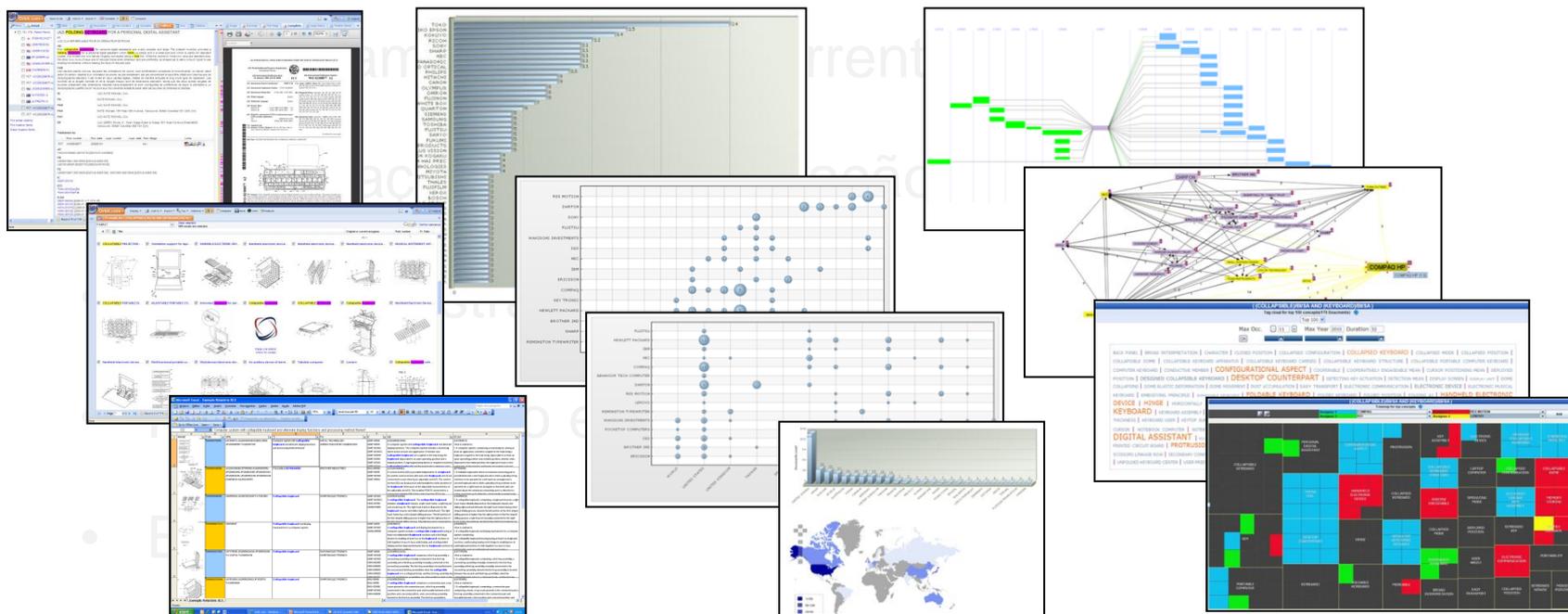


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Por quê?

E daí ?



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- Mapeamento de segmentos tecnológicos

Por quê?

E daí ?

Patentes
Literatura Técnica e Científica
Dados de Mercado
Experts



Leis e regulamentações
Acesso a Materiais
Canais de Distribuição
Recursos Financeiros
Etc...

Uso estratégico de patentes e informações patentárias

- Estudos de patenteabilidade e (in)validade
- Estudos de liberdade de invenção
- Mapeamento de segmentos de mercado
- **Invenção estratégica**
- Patenteamento estratégico
- Monitoramento de concorrentes
- Identificação e caracterização de produtos
- Etc.

conheça o que já existe,
as barreiras de entrada
e o mercado
antes de sair inventando

anteveja
possíveis cenários futuros
para direcionar esforços

Uso estratégico de patentes e informações patentárias

- Estudos de liberdade de comercialização
- Estudos de prioridade
- Mapeamento de patentes
- Invenções

tenha em mente que o “jogo”
de patentes é praticado com e
contra outros jogadores

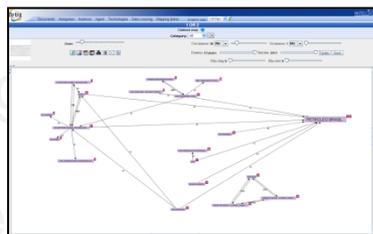
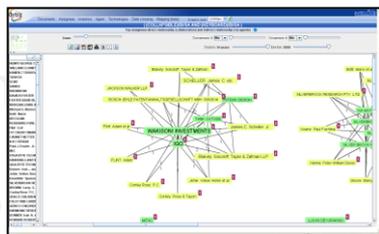
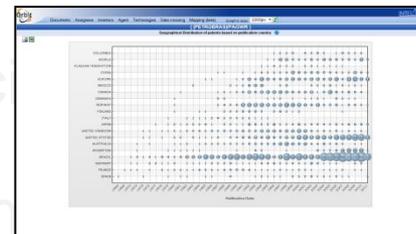
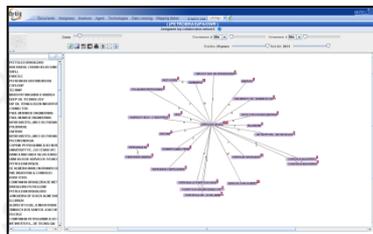
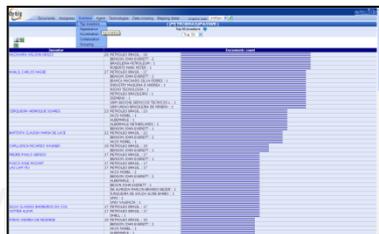
- Patenteamento estratégico

- Monitoramento de patentes
- Identificação de concorrentes e entrantes
- Etc.

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movimentos de concorrentes e
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Uso estratégico de patentes e informações patentárias

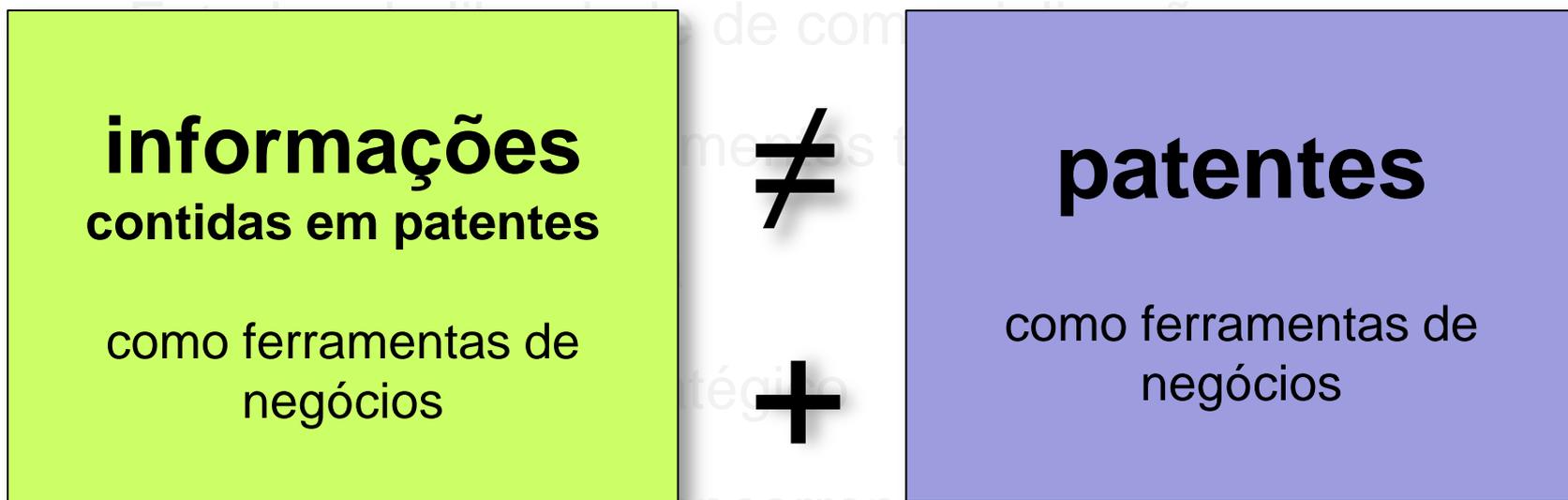
- Estudos de patenteabilidade e (in)validade



- Monitoramento de concorrentes
- Identificação e caracterização de parceiros
- Etc.

Uso estratégico de patentes e informações patentárias

- Estudos de patenteabilidade e (in)validade



- Identificação e caracterização de parceiros
- Etc.

Uso estratégico de patentes e informações patentárias

- Estudos de patenteabilidade e (in)validade

O Brasil ainda pode ser considerado um verdadeiro paraíso patentário, em muitos segmentos

- Mapeamento de segmentos tecnológicos
- Invenção estratégica

Um imenso volume de inovações, protegidas por patentes em outros países, estão livres para serem exploradas no Brasil, sem necessidade de licenciamento, contratos ou pagamento de royalties.

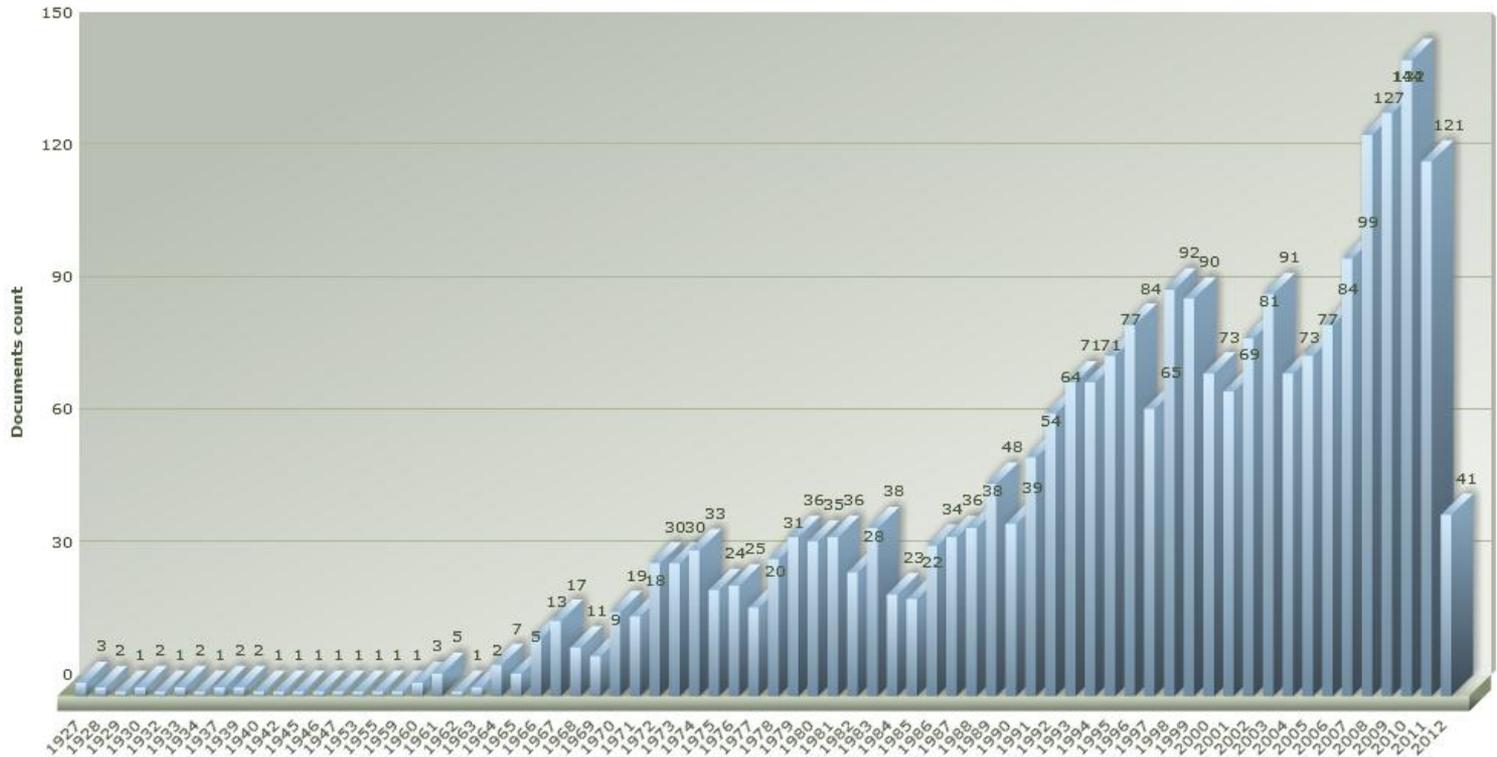
Exemplo:

Patentes na classe **H02J-013**,
com depósitos em 3 ou mais países

H02J-013: Circuit arrangements for providing remote indication of network conditions, e.g. an instantaneous record of the open or closed condition of each circuitbreaker in the network; Circuit arrangements for providing remote control of switching means in a power distribution network, e.g. switching in and out of current consumers by using a pulse code signal carried by the network.

(H02J-013+)/IC AND NPN>2

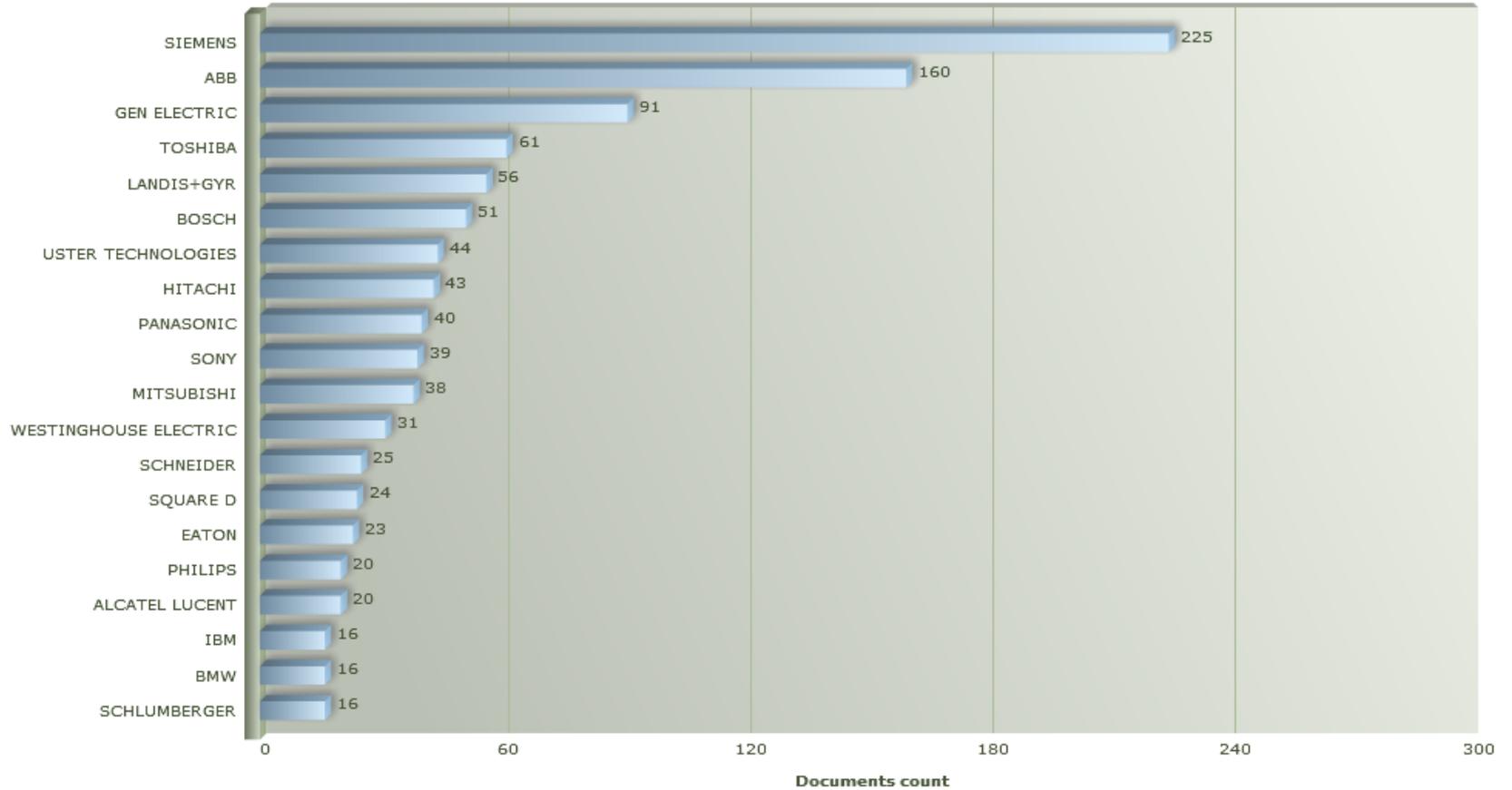
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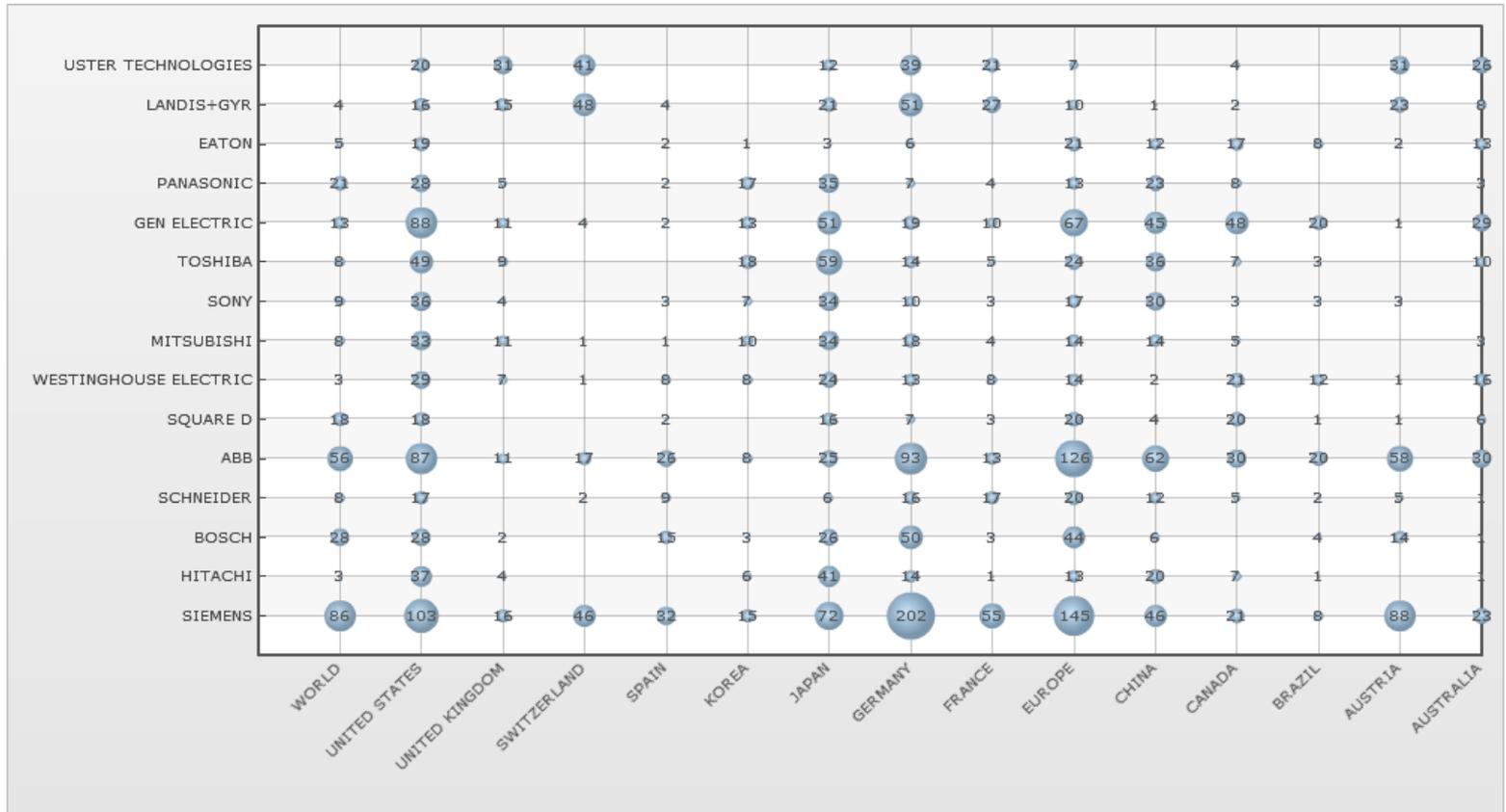
Top 20 assignees 

Top 20 



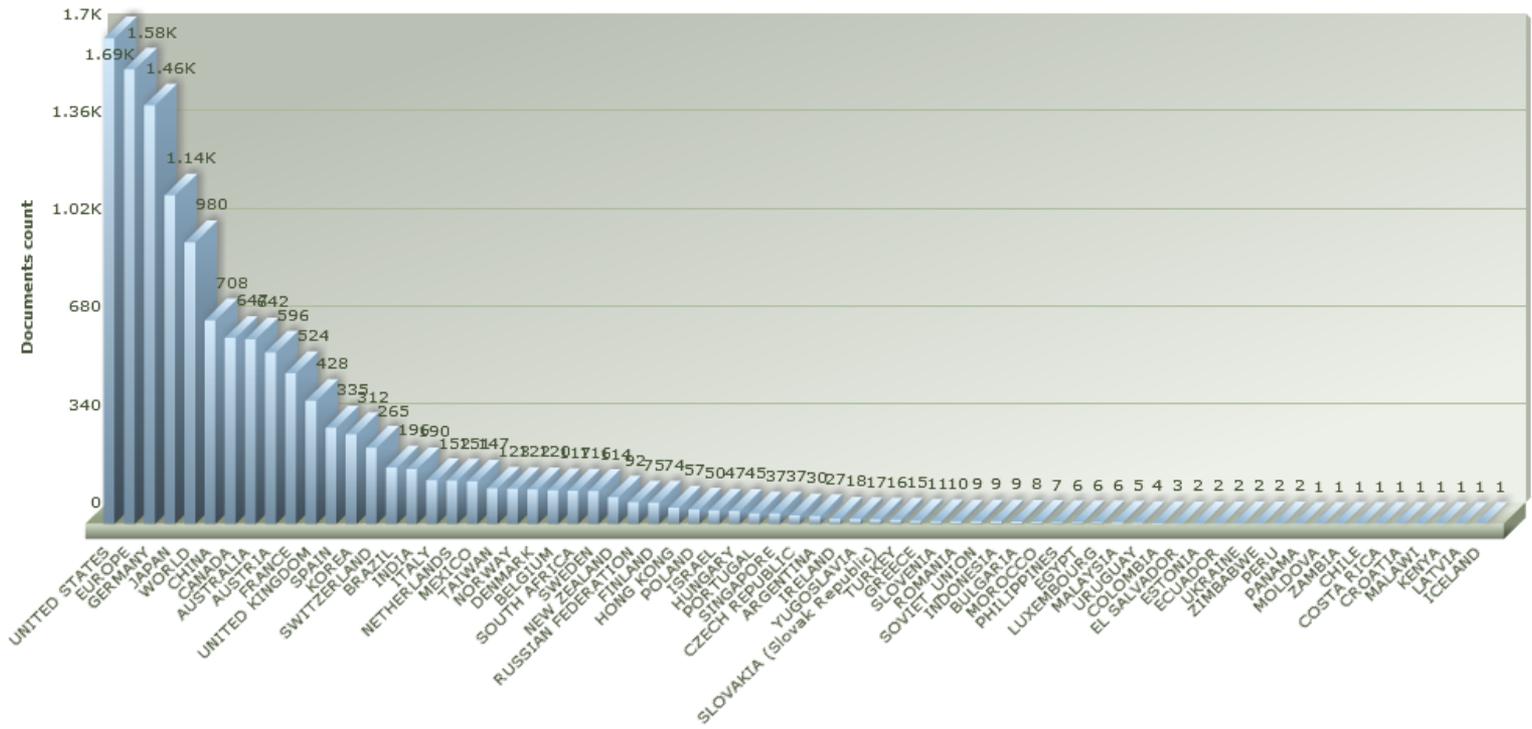
(H02J-013+)/IC AND NPN>2

Bubble graph for Assignees/Patent country



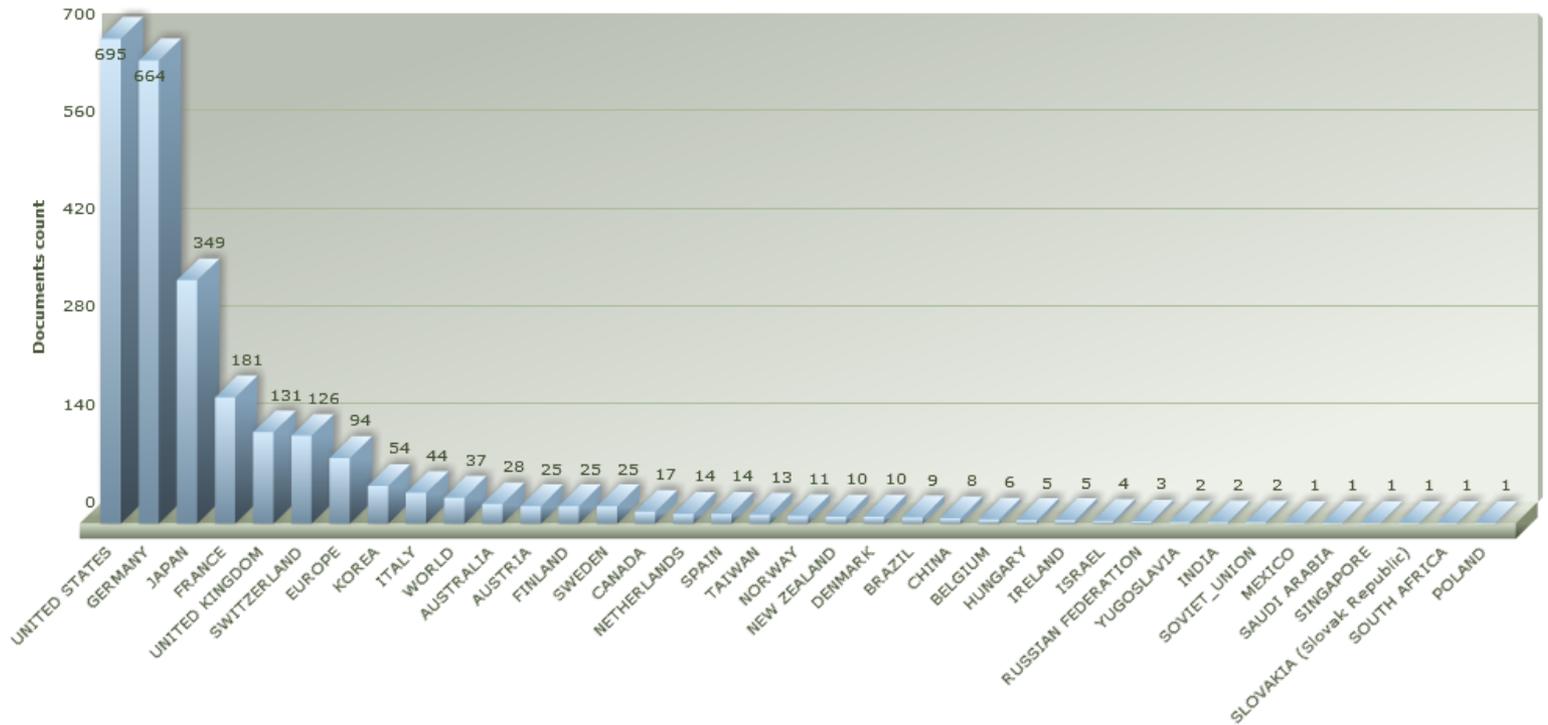
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Geographical Distribution of patents based on country priority 



FAMPAT		Clear selection 9 results are selected.		More like this		Sort by relevance	Filter
#	✓	Title	Assignee	Publ. number	Oldest	Priority Date	
1.	✓	ELECTRONIC SENSOR FOR CAPTURING VOLTAGE AND CURRENT SIGNALS FROM A LIVE WIRE	IMS INDUSTRIA DE MICRO SISTEMAS ELETRONICOS; IMS INDUSTRY ...	WO2010119353	2009-03-24		
2.	✓	METHOD AND DEVICE TO IDENTIFY, RECORD AND STORE TRAVELING WAVE HEADS, IN ELECTRIC POWER SYSTEMS	REASON TECNOLOGIA	EP2417468	2009-03-05		
3.	✓	INDIVIDUALIZED SELF-MONITORING SYSTEM FOR TRANSFORMERS IN POWER MEASUREMENT INSTALLATIONS AND METHOD ...	CENTRO DE PESQUISAS DE ENERGIA ELECTRICA CEPEL; CENTRO D...	CO6331389	2008-05-13		
4.	✓	SYSTEM FOR ACQUISITION OF DATA AND MULTIPLICATION OF SIGNALLING AND PROTECTION CONTACTS IN EQUIPMENTS O...	PEDROSA SANTOS EDUARDO	EP2135338	2007-03-20		
5.	✓	SYSTEM AND METHOD FOR MONITORING AND CONTROLLING THE OPERATIONAL CONDITION OF A POWER TRANSFORMER	SIEMENS; SIMENS	CN101238628	2005-06-21		
6.	✓	SYSTEM AND METHOD FOR CENTRALIZED MONITORING OF DISTRIBUTED POWER TRANSFORMER	SIEMENS; SIMENS	RU2389117	2005-06-21		
7.	✓	SYSTEM AND PROCESS FOR ENERGIZING LOADS THROUGH A CONTROL UNIT	AR BRASIL COMPRESSORES; WHIRLPOOL	JP4828524	2004-05-05		
8.	✓	REMOTE ACCESS TO ELECTRONIC METERS USING A TCP/IP PROTOCOL SUITE	ABB POWER T & D; ELSTER ELECTRICITY	BR9815716	1998-01-29		
9.	✓	Integrated power and signal transmission system.	PETROLEO BRASILEIRO	US5572182	1993-02-17		

9 / 9 - Patent Family

- US5572182 A
- EP0612161 A3
- BR9300603 A
- ECSP941042 A
- EP0612161 A2
- CA2115793 A1
- NO940534 A
- NO940534 D0

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Integrated power and signal transmission system.

AB
(BR9300603)
A system is described which links by means of a pair of lines the command signals in square wave form from a unit broadcasting such command signals to an operating unit lying a long distance away so that since the signals are sent at a low voltage of about 36V and a frequency of about 1 kHz, they are enough after being stored in top quality capacitors to provide power to the operating point at said operating unit, without there being any need to stop power supply when signals are being sent, as used to happen in the previous system. Such system is particularly suitable for the transmitting of operating signals and the receiving of information from a wellhead. <IMAGE>
(From EP0612161 A2)

IN DE PINHO ORLANDO JOSE FILHO EISEMBERG ROBERT DE BRITO CORREIA ORLANDO MUNOZ FREITAS RICARDO

PA PETROLEO BRASILEIRO

PAH (BR9300603)
(A) PETROLEO BRASILEIRO SA (BR)

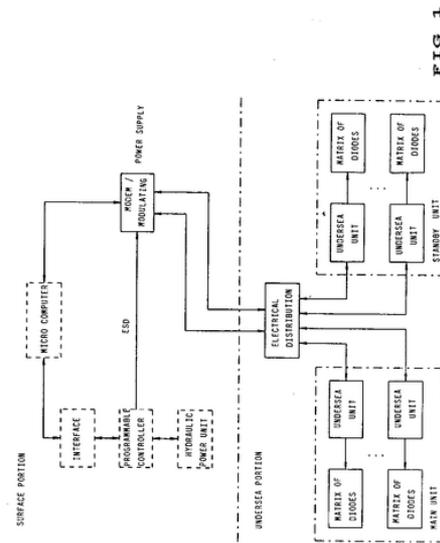
(EP-612161)
(A2) PETROLEO BRASILEIRO SA (BR)

(CA2115793)
(A1) PETROLEO BRASILEIRO SA (BR)

(US5572182)
DE BRITO CORREIA ORLANDO; FROM 19940217 TO 19940402
DE PINHO FILHO ORLANDO JOSE; FROM 19940217 TO 19940402
EISEMBERG ROBERT; FROM 19940217 TO 19940402
FREITAS RICARDO MUNOZ; FROM 19940217 TO 19940402
PETROLEO BRASILEIRO; FROM 19940402

(ECSP941042)
(A) PETROLEO BRASILEIRO SA

(NO9400534)
(D0) PETROLEO BRASILEIRO SA (BR)





US005572182A

United States Patent [19] De Pinho Filho et al.

[11] Patent Number: **5,572,182**
[45] Date of Patent: **Nov. 5, 1996**

[54] INTEGRATED POWER AND SIGNAL TRANSMISSION SYSTEM

[75] Inventors: **Orlando J. De Pinho Filho; Robert Eisemberg; Orlando de Brito Correia; Ricardo M. Freitas**, all of Rio de Janeiro, Brazil

[73] Assignee: **Petrolew Brasileiro S.A. - Petrobras**, Rio de Janeiro, Brazil

[21] Appl. No.: **197,867**

[22] Filed: **Feb. 17, 1994**

[30] Foreign Application Priority Data

Feb. 17, 1993 [BR] Brazil 9300603

[51] Int. Cl.⁶ **H04M 11/04**

[52] U.S. Cl. **340/310.02; 340/310.03; 340/3120.04; 340/310.07; 166/250; 307/31**

[58] Field of Search **340/310.02, 310.03, 340/310.07, 310.04, 855.9; 307/31, 149**

[56] References Cited

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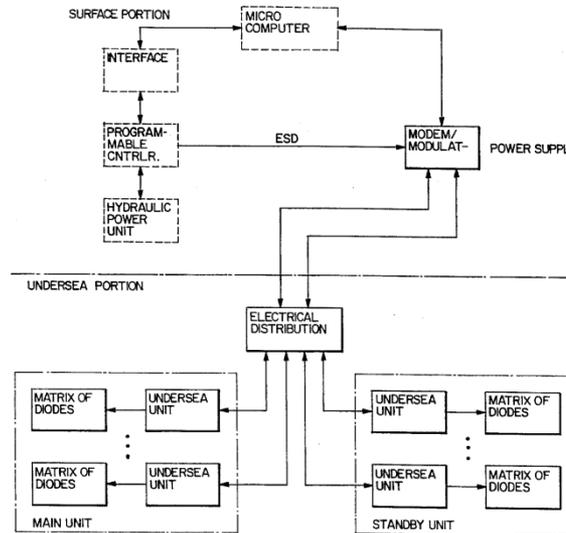
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Primary Examiner—Brent A. Swarthout
Assistant Examiner—Niuua Tong
Attorney, Agent, or Firm—Sughrue, Mion, Zinn, Macpeak & Seas

[57] ABSTRACT

An Integrated Power and Signal Transmission System A system is described which links by means of a pair of lines the command signals in square waveform from a unit broadcasting such command signals to an operating unit lying a long distance away so that since the signals are sent at a low voltage of about 36 V and a frequency of about 1 kHz, they are enough after being stored in top quality capacitors to provide power to the operating point at said operating unit, without there being any need to stop power supply when signals are being sent, as used to happen in the previous system. Such system is particularly suitable for the transmitting of operating signals and the receiving of information from a wellhead.

13 Claims, 5 Drawing Sheets



Uso Estratégico de Patentes em Negócios com foco em informações tecnológicas

- Agenda
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 - Ferramentas e técnicas de busca e análise de informações patentárias
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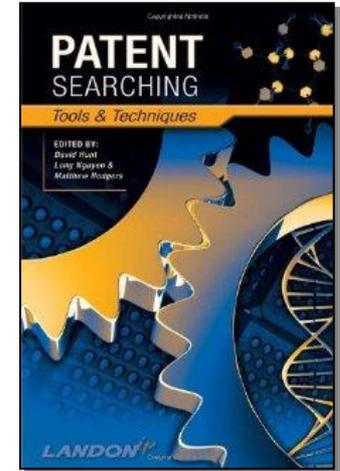
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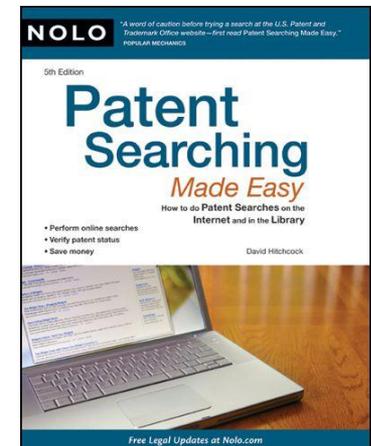
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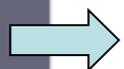
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- Datas, Endereços, Representantes,
- Fórmulas Químicas, Biossequências, Imagens, etc.

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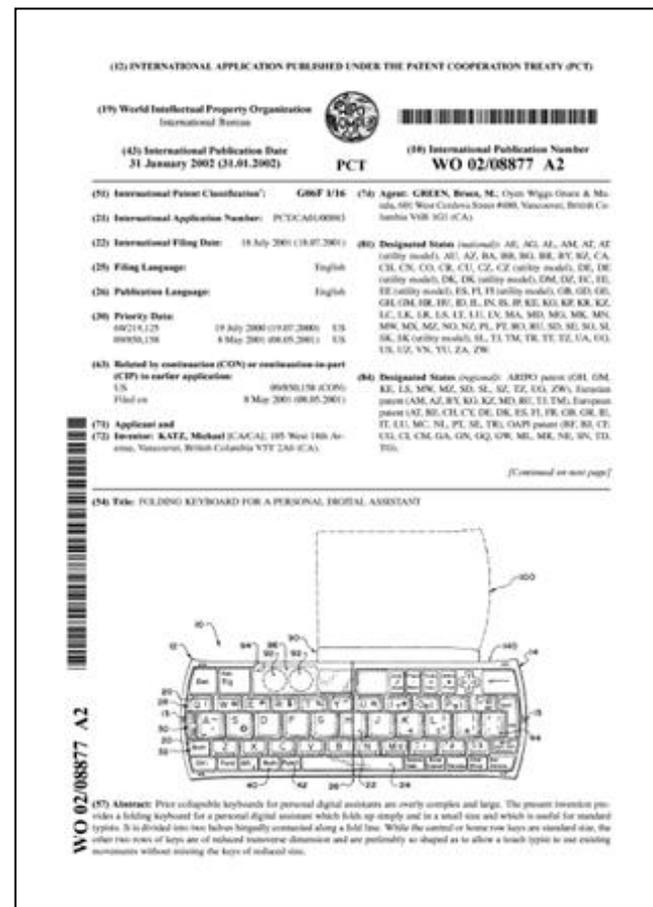
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G06C 7/02: Teclados (para computadores)

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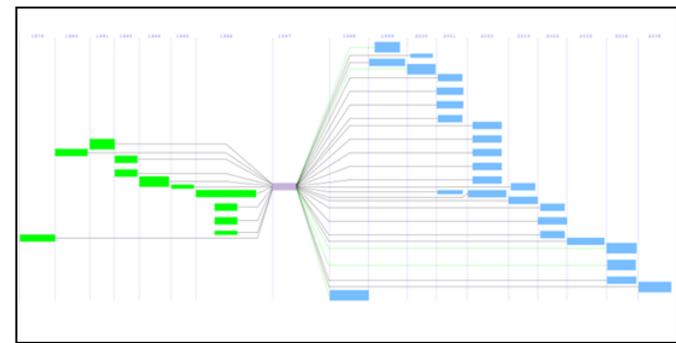
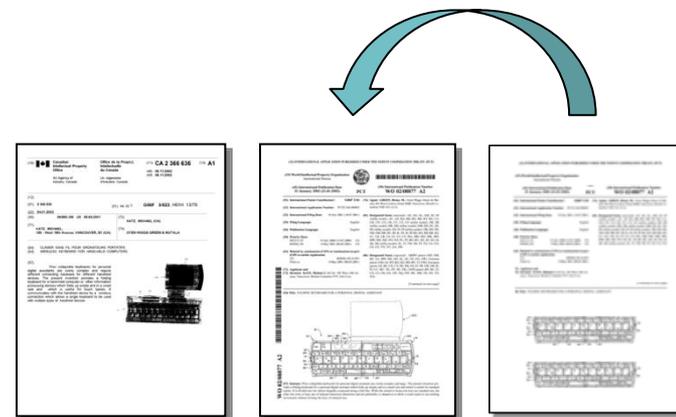
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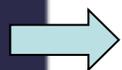
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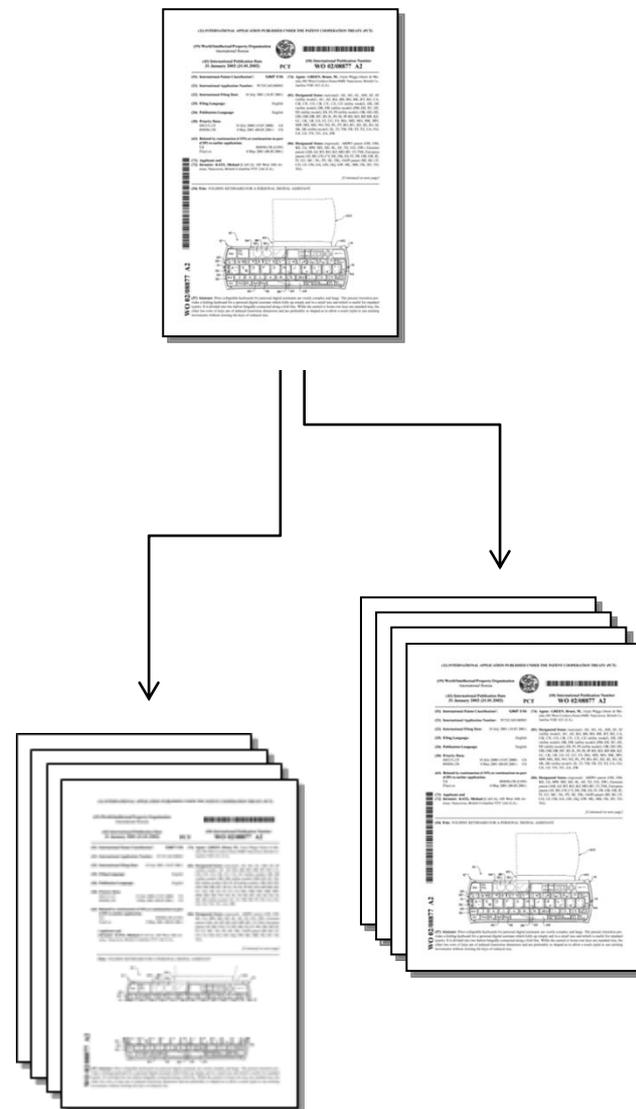


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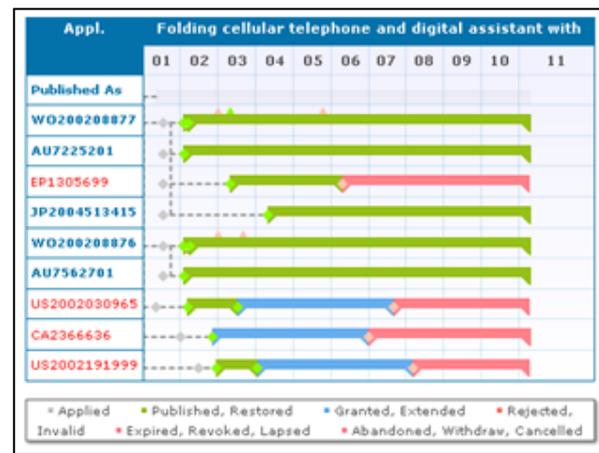
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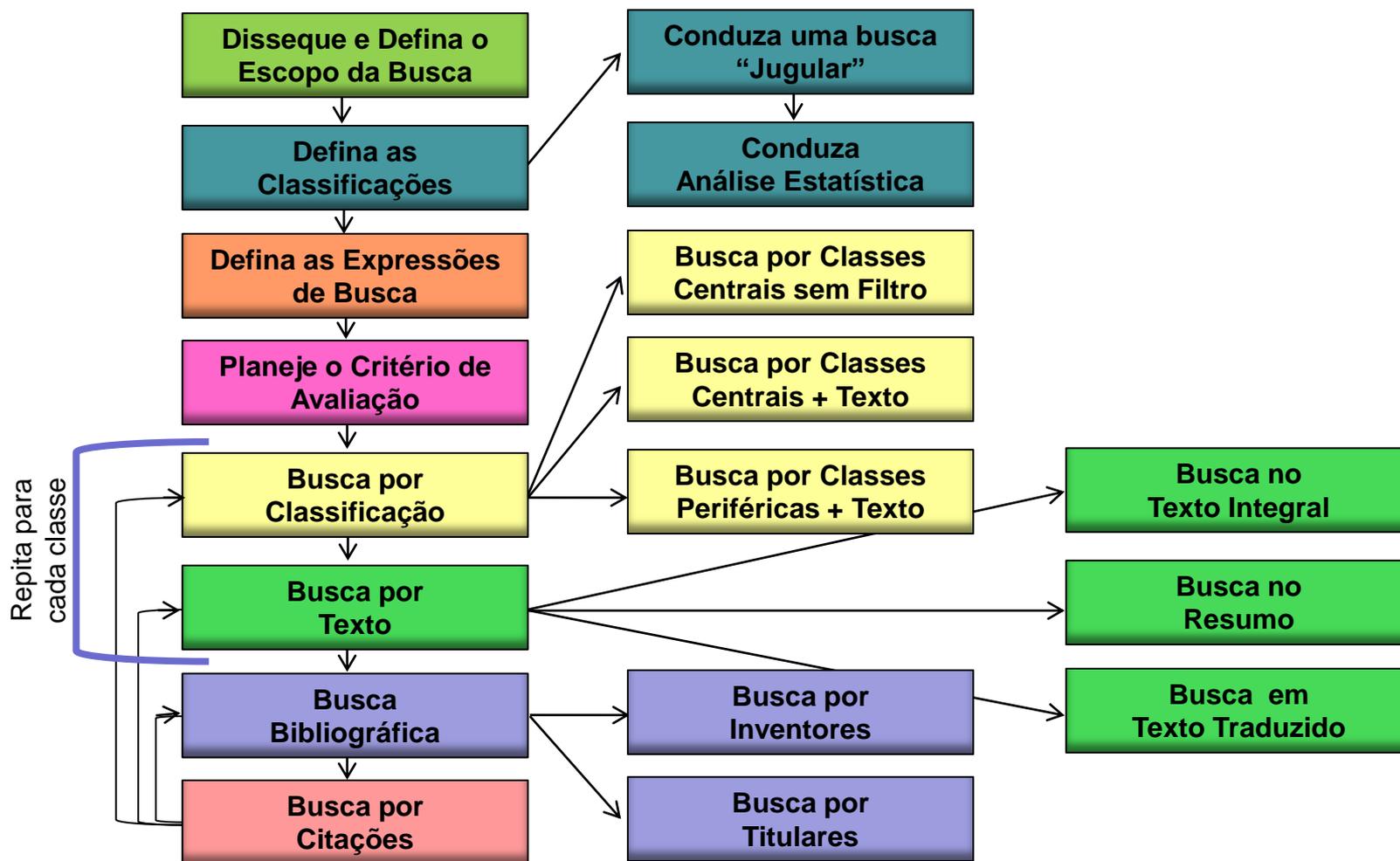
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Legal Status		
Dead: US2002030965 A1, US6594142 B2		
20010508	US/A1 [EXM;POS]	FLING DETAILS US85015301 20010508 [2001US-0850158]
20020314	US/A1 [EXM;POS]	First published patent application US2002030965 A1 20020314 [US20020030965]
20030715	US/B2 [PF;POS]	Granted patent as second publication US6594142 B2 20030715 [US6594142]
20070904	US/FP-A [NEG;NF]	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEEEFFECTIVE DATE: 20070715



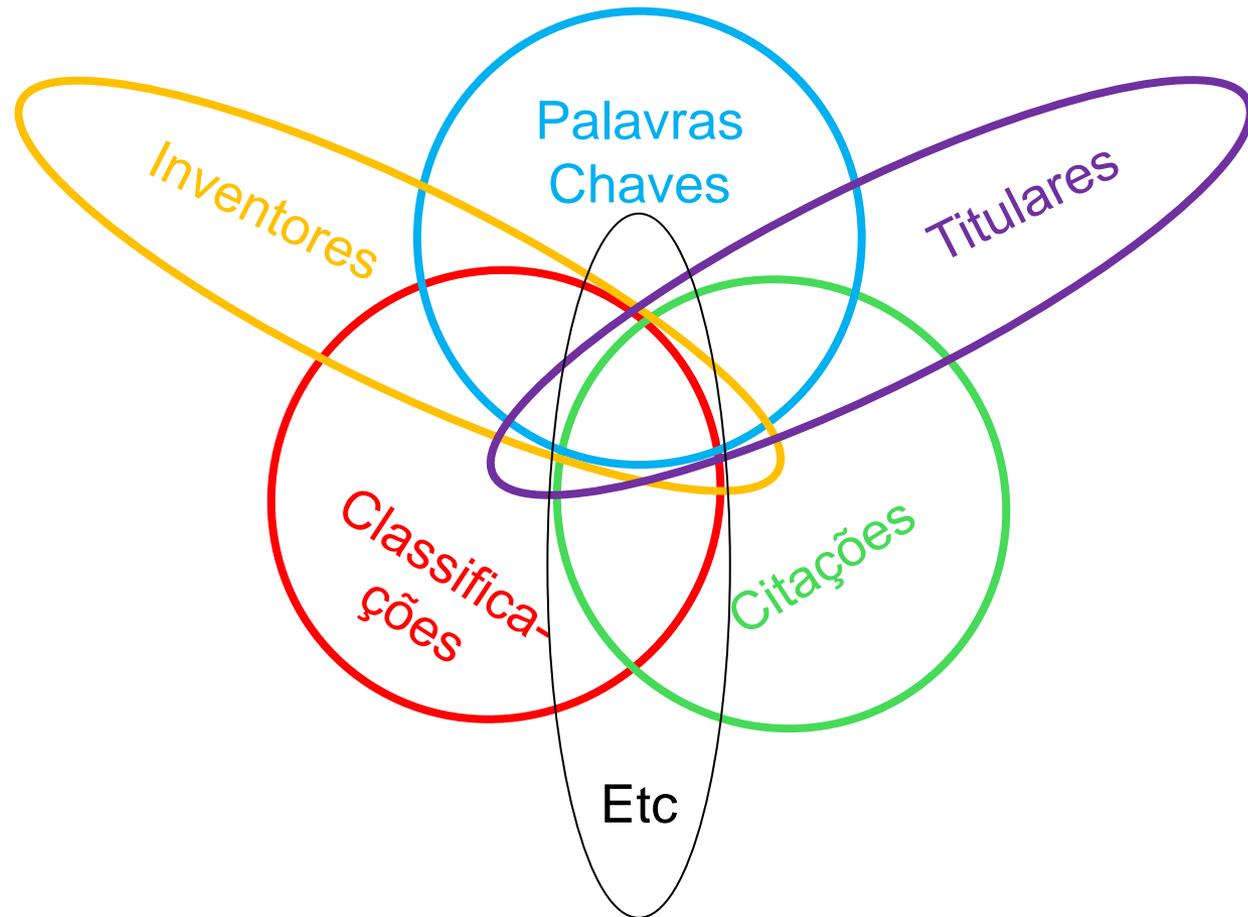
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Estratégias de Busca



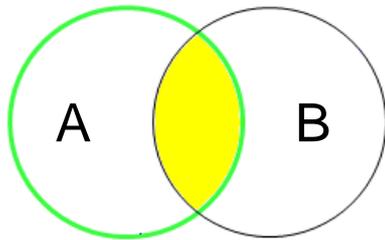
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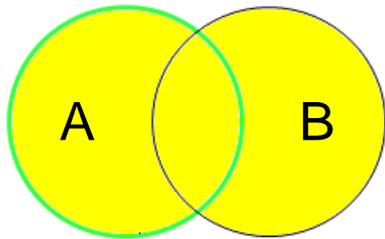


Buscas de Patentes

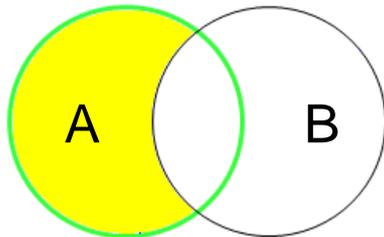
Operadores Booleanos



A and B (intersecção)



A or B (agrupamento)



A not B (exclusão*)

* Lembre-se de usar o NOT para encontrar o complemento. Ou seja, os resultados não contidos no conjunto anterior.

Buscas de Patentes

Operadores Booleanos e de Proximidade

AND	ambos os termos de busca presentes (intersecção)	digital and television
OR	um ou, opcionalmente, o outro termo de busca presente (soma, grupamento)	television or tv
NOT	o primeiro termo de busca presente, mas não o segundo (exclusão)	1 not 2
F	termos de busca no mesmo campo	digital f (televis+ or tv)
P	termos de busca no mesmo parágrafo	digital p (televis+ or tv)
S	termos de busca na mesma sentença	digital s (televis+ or tv)
nD	termos presentes, em qualquer ordem, de zero a n termos de distância (n de 1 a 9)	digital 5d (televis+ or tv)
D	termos contíguos, mas em qualquer ordem	digital d (televis+ or tv)
nW	termos presentes, na ordem digitada, de zero a n termos de distância (n de 1 a 9)	digital 5w (televis+ or tv)
W	termos contíguos, exatamente na ordem digitada	digital w (televis+ or tv)

Buscas de Patentes

Exemplos de Campos de Busca

Keywords

Title

- Title
- Title, Abstract
- Title, Abstract, Claims
- Title, Abstract, Key Content
- Title, Abstract, Key Content, Claims
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- Key Content
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- Licensing
- Term right extended
- Ownership
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- Assignee (Original or Current)
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- ECLA
- ICO
- US (main)
- US (main & x-ref)
- FI
- F-Terms

Numbers, Dates & Country

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- Publ. number
- Appl. number
- Priority number
- Application or Priority number

Abstracts

- Advantages over prior art drawbacks
- Object of invention
- Citations, all
- Citations, non patent References
- Designated States
- FamPat Family Number
- PCT Publication number
- PCT Application Nbr
- Patent Assignee Country
- Patent Assignee US State
- Inventor Country
- Inventor US State
- Representative Country
- US and FR Filing Details
- Other Publication Dates
- First Date of Pub.Appl.
- First Date of Issued Grant
- Patent Date, last pub.
- First Family's Priority Date
- EPO Dutch Class
- Number of Patents in the FamPat Family
- Number of Priorities in the FamPat Family
- USPTO Examiner or US Representative
- Independant claim number (US)
- Number of claims (US)
- Number of drawings (US)
- Number of figures (US)
- US Case ID

Abstracts

Buscas de Patentes

Exemplos de Expressões de Busca

((laser or light or luminous) w (point+ or pen))/bi/tx or (G02B-027/20)/ic

... and BR/pn

... and NPN>2

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- USPTO (www.uspto.gov/patents/process/search)
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PESQUISA AVANÇADA

(21) Nº do Pedido : Ex: PI0101161-8; MU6900960-0; MI5500233-1; C10201935-3.

(22) Data Depósito : a dd/mm/aaaa" Ex: 10/10/2001.

(31) Nº da Prioridade : Ex: 392.176

(32) Data da Prioridade : a dd/mm/aaaa" Ex: 10/10/2001

(33) País da Prioridade: « Clique e escolha » ▼

(51) Classificação : Ex: G06F 13/00.

(54) Título : Ex: resfriamento and (liquido or agua) and not cruzado.

(57) Resumo : Ex: milho and herbicida and plantas and not glifosato; caro prox(6)
porta.

(86) Número do Depósito
Pct: Ex: US9308239.

(71/73) Nome do
Depositante : Ex: petrobras or (petroleo and brasileiro)

(72) Nome Inventor : Ex: "Antônio Cláudio Corrêa"

Nº de Processos por Página : 20 ▼

pesquisar »

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Depósito de pedido nacional de Patente



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antes

(21) Nº do
Pedido: PI1004045-5 A2

(22) Data do
Depósito: 14/10/2010

(51)
Classificação: C04B 7/43

(54) Título: PROCESSO PARA CALCINAÇÃO DE ARGILA PARA COMPOSIÇÃO DE CIMENTO CINZA

(57) Resumo: PROCESSO PARA CALCINAÇÃO DE ARGILA PARA COMPOSIÇÃO DE CIMENTO CINZA. E CONSTITUIDO POR UM PROCESSO PARA CALCINAÇÃO DE ARGILA PARA COMPOSIÇÃO DE CIMENTO CINZA (1) QUE PERTENCE AO CAMPO DA INDUSTRIA DE CIMENTO. NORMALMENTE A CALCINAÇÃO DE ARGILAS PRODUZ POZOLANAS COM COLORAÇÃO QUE VAI DE VARIAS TONALIDADES DE VERMELHO A OUTRAS TANTAS DE ROSA, ESTAS POZOLANAS QUANDO ADICIONADAS NA PRODUÇÃO DE CIMENTO PORTLAND, ALTERAM A COR TORNANDO-O NUM PRODUTO SEM ACEITAÇÃO NO MERCADO, NAO PELAS SUAS QUALIDADES TECNICAS, MAS PELA COR APRESENTADA AO CLIENTE QUE ESTA ACOSTUMADO A COR CINZA DO CIMENTO PORTLAND; O OBJETO DA PRESENTE PATENTE CRIA UM PROCESSO PARA CONTROLE DA CALCINAÇÃO DA ARGILA (2), NO QUAL E UTILIZADO UM FORNO (3) (NESTE CASO UM FORNO PILOTO) HORIZONTAL DE 0,509 M DE DIAMETRO X 8,500 M DE COMPRIMENTO, COM ROTAÇÃO VARIÁVEL; AS TONALIDADES APRESENTADAS SAO DEFINIDAS DA SEGUINTE FORMA: A - ARGILA CALCINADA SEM ADIÇÃO DE COMBUSTIVEL SOLIDO E SEM INJEÇÃO DE AGUA, DEFINE UM TOM ROSEGO; B - ARGILA CALCINADA COM MENOR ADIÇÃO DE COMBUSTIVEL SOLIDO E COM INJEÇÃO DE AGUA, DEFINE UM TOM DE CINZA CLARO; C - ARGILA CALCINADA COM MAIOR ADIÇÃO DE COMBUSTIVEL SOLIDO E COM INJEÇÃO DE AGUA, DEFINE UM TOM DE CINZA MAIS ESCURO.

(71) Nome do
Depositante: CIMENTO TUPI S/A (BR/RJ)

(72) Nome do
Inventor: MERCK MARRA JÚNIOR

(74) Nome do
Procurador: CITY PATENTES E MARCAS LTDA.

PUBLICAÇÕES

Nº RPI	Data RPI	Despacho	Complemento do Despacho
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2114	12/07/2011	2.1	

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PARN	Parent Case Information	EXA	Assistant Examiner
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(29 of 100)

United States Patent
Hagen , et al.

7,692,038
April 6, 2010

Crystalline forms

Abstract

The present invention relates to crystalline forms of (3S)-3-[N--(N-(2-tert-butylphenyl)oxamyl)alaninyl]amino-5-(2',3',5',6'-t-etrafluorophenoxy)-4-oxopentanoic acid (see formula I). The invention further relates to pharmaceutical compositions comprising such crystalline forms and to the use of said pharmaceutical compositions and said crystalline forms in the treatment of various conditions, particularly in the treatment of liver fibrosis. ##STR00001##

Inventors: Hagen; Eric (Lafayette, IN), Hanko; Jason A. (West Lafayette, IN), Dimock; Stuart (Lake Forest, CA)
Assignee: Pfizer, Inc. (New York, NY)
Appl. No.: 11/951,801
Filed: December 6, 2007

Related U.S. Patent Documents

<u>Application Number</u>	<u>Filing Date</u>	<u>Patent Number</u>	<u>Issue Date</u>
60868748	Dec., 2006		

Current U.S. Class:

562/448

Current International Class:

C07C 229/00 (20060101)

References Cited [Referenced By]

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2002/0042376	April 2002	Karanewski et al.

Foreign Patent Documents

WO-A-00/01666	Jan., 2000	WO
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 Linton et al, J. Med. Chem., vol. 48, No. 22 pp. 1-23 (2005). cited by other.

Primary Examiner: Sullivan; Daniel M
Assistant Examiner: Katakam; Sudhakar
Attorney, Agent or Firm: Pfizer, Inc. Lappin; Julie M.

Claims



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Filing or 371 (c) Date:	12-06-2007	Status:	Patented Case
Application Type:	Utility	Status Date:	03-17-2010
Examiner Name:	KATAKAM, SUDHAKAR	Location:	ELECTRONIC
Group Art Unit:	1621	Location Date:	-
Confirmation Number:	9074	Earliest Publication No:	US 2008-0249031 A1
Attorney Docket Number:	PC 033272A	Earliest Publication Date:	10-09-2008
Class / Subclass:	562/448	Patent Number:	7,692,038
First Named Inventor:	Eric Hagen , Lafayette, IN (US)	Issue Date of Patent:	04-06-2010

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EP0957704

Application number: [i](#) DE19971031696

Priority number: [i](#) WO1995US15925

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Applicant(s): [i](#) Institut Pasteur

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Inventor(s): PAINSITH HERMANN [AT] ±

Applicant(s): VICTORINOX AG [CH]; PAINSITH HERMANN [AT] ±

Classification: - international: [A45C11/00](#); [A45D29/20](#); [B29C65/02](#); [C12N15/53](#); [A45C11/18](#); [A45C11/32](#); (IPC1-7): [A45C11/00](#); [A45D29/20](#)

- Euro: [A45C11/00](#); [A45D29/20](#)

Application number: EP19960939748 19961202

Priority number(s): WO1996AT00238 19961202; AT19950001961 19951130

Also published as: [EP0957704 \(B1\)](#) [EP0957704 \(B2\)](#) [WO9719856 \(A2\)](#) [WO9719856 \(A3\)](#) [US2001047946 \(A1\)](#)
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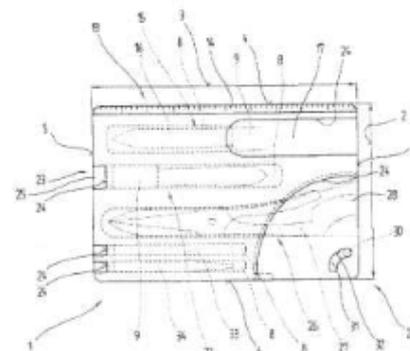
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The invention concerns a plate-shaped metal or plastics housing (1) with at least one internal chamber (8) for holding at least one object. The chamber (8) is delimited by a base plate (6) and at least at given points by a cover plate (7) of the housing (1), the cover plate (7) being parallel to the base plate (6). The housing (1) comprises a plurality of chambers (8) which are disposed adjacent one another in a plane extending parallel to the base plate (6) and/or cover plate (7) and are at least partially separate from one another. The chambers (8) are designed to hold objects such as daily use (9) and/or consumer articles and are accessible from the exterior via openings (23) which are disposed in at least one of the transverse side surfaces (5) and/or longitudinal side surfaces (4) which preferably extend at right-angles to the base plate (6) and/or cover plate (7).



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Hinweises auf die Entscheidung über den Einspruch:
05.07.2006 Patentblatt 2006/27

(51) Int. Cl.:
A45C 11/00 (2006.01) A45D 29/20 (2006.01)

(45) Hinweis auf die Patenterteilung:
08.10.2003 Patentblatt 2003/41

(86) Internationale Anmeldenummer:
PCT/AT1996/000238

(21) Anmeldenummer: **96939748.8**

(87) Internationale Veröffentlichungsnummer:
WO 1997/019056 (05.06.1997 Gazette 1997/24)

(22) Anmeldetag: **02.12.1996**

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(84) Benannte Vertragsstaaten:
AT CH DE ES FR GB IT LI PT

(72) Erfinder: **PAINSITH, Hermann**
A-9020 Klagenfurt (AT)

(30) Priorität: **30.11.1995 AT 196195**

(74) Vertreter: **Secklehner, Günter**
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8940 Liezen (AT)

(43) Veröffentlichungstag der Anmeldung:
24.11.1999 Patentblatt 1999/47

(60) Teilanmeldung:
02028246.3 / 1 293 144

(56) Entgegenhaltungen:
WO-A-93/22948 WO-A-94/29083
DE-A- 3 843 303 DE-C- 2 416 752
DE-C- 3 827 536 DE-U- 9 316 522
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OPPONENT NAME : VEREINIGTE STAHLWARENFABRIKEN GEBR. RICHARTZ + SOE

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 [1999/47]

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 [N/P]

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Publication **Type :** A2 Application without search report
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★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
PAINSITH HERMANN [AT]	VICTORINOX AG [CH] PAINSITH HERMANN [AT]	A45C11/00 A45D29/20	A45C11/00 A45D29/20 B29C85/02 (+5)	AT251398 (T) 2003-10-15	1995-11-30

2. **PLATE-SHAPED HOLDER HOUSING FOR DAILY USE AND/OR CONSUMER ARTICLES**

★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
PAINSITH HERMANN [AT]	PAINSITH HERMANN [AT] VICTORINOX AG [CH]	A45C11/00 A45D29/20	A45C11/00 A45D29/20 B29C85/02 (+5)	AT277538 (T) 2004-10-15	1995-11-30

3. **PLATE-SHAPED HOLDER HOUSING FOR DAILY USE AND/OR CONSUMER ARTICLES**

★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
	PAINSITH HERMANN DIPL ING [AT]	A45C11/00 A45D29/20	A45C11/00 A45D29/20 B29C85/02 (+4)	ATA198195 (A) 1998-02-15 AT404237 (B) 1998-09-25	1995-11-30

4. **Plate-shaped holder housing for daily use and/or consumer articles**

★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
PAINSITH HERMANN	HERMANN PAINSITH VICTORINOX AG	A45C11/00 A45D29/20	A45C11/00 A45D29/20 B29C85/02 (+4)	AU7885398 (A) 1997-08-19	1995-11-30

5. **Plate-shaped holder housing for daily use and/or consumer articles**

★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
PAINSITH HERMANN [CH]	VICTORINOX AG [CH]	A45C11/00 A45D29/20	A45C11/00 A45D29/20 B29C85/02 (+5)	CN1207853 (A) 1999-02-10 CN1181059 (C) 2004-08-11	1995-11-30

6. **PLATE-SHAPED HOLDER HOUSING FOR DAILY USE AND/OR CONSUMER ARTICLES**

★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
	VICTORINOX AG IBACH [CH] PAINSITH HERMANN [AT]	A45C11/00 A45D29/20	A45C11/00 A45D29/20	DE29824203 (U1) 2001-04-28	1995-11-30

B29C85/02 EP1293144 (A3)
(+5) 2003-03-28
EP1293144 (B1)
2004-09-29

9. PLATE-SHAPED HOLDER HOUSING FOR DAILY USE AND/OR CONSUMER ARTICLES

★ Inventor: PAINSITH HERMANN [AT]	Applicant: VICTORINOX AG PAINSITH HERMANN	EC: A45C11/00 A45D29/20	IPC: A45C11/00 A45D29/20 B29C85/02 (+5)	Publication info: ES2208767 (T3) 2004-06-16 ES2208767 (T5) 2007-03-16	Priority date: 1995-11-30
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10. PLATE-SHAPED HOLDER HOUSING FOR DAILY USE AND/OR CONSUMER ARTICLES

★ Inventor: PAINSITH HERMANN [AT]	Applicant: PAINSITH HERMANN VICTORINOX AG	EC: A45C11/00 A45D29/20	IPC: A45C11/00 A45D29/20 B29C85/02 (+5)	Publication info: ES2230442 (T3) 2005-05-01	Priority date: 1995-11-30
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11. Card-shaped storage case for articles of daily use and/or consumer articles.

★ Inventor: PAINSITH HERMANN	Applicant: VICTORINOX AG [CH] PAINSITH HERMANN	EC: A45C11/00 A45D29/20	IPC: A45C11/00 A45D29/20 B29C85/02 (+5)	Publication info: HK1017592 (A1) 2005-02-25	Priority date: 1995-11-30
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12. PLATE-SHAPED HOLDER HOUSING FOR DAILY USE AND/OR CONSUMER ARTICLES

★ Inventor:	Applicant:	EC: A45C11/00 A45D29/20	IPC: A45C11/00 A45D29/20 B29C85/02 (+4)	Publication info: JP2000501003 (A) 2000-02-02 JP4098360 (B2) 2008-06-11	Priority date: 1995-11-30
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13. Plate-shaped holder housing for daily use and/or consumer articles

★ Inventor: PAINSITH HERMANN [AT]	Applicant: VICTORINOX AG [CH]	EC: A45C11/00 A45D29/20	IPC: A45C11/00 A45D29/20 B29C85/02 (+4)	Publication info: US6044967 (A) 2000-04-04	Priority date: 1995-11-30
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14. Card-shaped storage case for articles of daily use and/or consumer articles

★ Inventor: PAINSITH HERMANN [AT]	Applicant: VICTORINOX AG [US]	EC: A45C11/00 A45D29/20	IPC: A45C11/00 A45D29/20 B29C85/02 (+4)	Publication info: US6257405 (B1) 2001-07-10	Priority date: 1995-11-30
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15. Card-shaped storage case for articles of daily use and/or consumer articles

★ Inventor: PAINSITH HERMANN [AT]	Applicant: VICTORINOX AG [US]	EC: A45C11/00 A45D29/20	IPC: A45C11/00 A45D29/20 B29C85/02 (+8)	Publication info: US2001047946 (A1) 2001-12-08 US6527112 (B2) 2003-03-04	Priority date: 1995-11-30
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Plate-shaped holder housing for daily use and/or consumer articles

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United States Patent [19] **Patent Number: 6,044,967**
Painsith [45] **Date of Patent: Apr. 4, 2000**

[54] PLATE-SHAPED HOLDER HOUSING FOR DAILY USE AND/OR CONSUMER ARTICLES

[75] Inventor: **Hermann Painsith**, Klagenfurt, Austria
 [73] Assignee: **Victorinox AG**, Ibach, Switzerland
 [21] Appl. No.: **09/077,482**
 [22] PCT Filed: **Dec. 2, 1996**
 [86] PCT No.: **PCT/AT96/00238**
 § 371 Date: **May 29, 1998**
 § 102(c) Date: **May 29, 1998**
 [87] PCT Pub. No.: **WO97/19856**
 PCT Pub. Date: **Jun. 5, 1997**
 [30] Foreign Application Priority Data
 Nov. 30, 1995 [AT] Austria 1961/95
 [51] Int. Cl.⁷ **B65D 69/00**
 [52] U.S. Cl. **206/234; 206/37; 206/349**
 [58] Field of Search **206/216, 234, 206/38, 38.1, 235-241, 349, 37, 37.1, 37.4, 37.6**

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 2 146 623 4/1985 United Kingdom .
 WO94/29083 A2 12/1994 WIPO .

Primary Examiner—Paul T. Sewell
Assistant Examiner—Luan K. Bui
Attorney, Agent, or Firm—Alston & Bird LLP

[57] ABSTRACT

The invention relates to a card-shaped storage case (1) made of metal or plastic with at least one internal storage compartment (8) for at least one article, which is defined by a base plate (6) and at least in sections by a cover plate (7) of the storage case (1) running parallel to this, wherein several storage compartments (8) at least partially separate from one another are arranged in the storage case (1) in a plane running parallel to the base plate (6) and/or cover plate (7) and are constructed to receive articles in the form of articles of daily use (9) and/or consumer articles and are also accessible from the outside via storage openings (23), and the storage openings (23) are arranged in at least one of the longitudinal side faces (4) and/or transverse side faces (5) preferably running perpendicular to the base plate (6) and/or cover plate (7).

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40 Claims, 26 Drawing Sheets



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7.	Improvements in collapsible typewriting machines	REMINGTON TYPEWRITER	US1467995	1922-01-31
8.	Typewriting machine	REMINGTON TYPEWRITER	US1468274	1922-03-16
9.	HEIGHT-ADJUSTABLE EQUIPMENT STAND	JANSSEN RAINER	WO2009124523	2008-04-08
10.	COLLAPSIBLE KEYBOARD	GIGA BYTE TECHNOLOGY; GYGA BYTE TECHNOLOGY	WO2009100607	2008-01-31
11.	Split type laptop type collapsible soft keyboard	XU CHEN	CN101135932	2007-08-14
12.	Foldable electronic seat label	SHANGHAI BEIDA FOUNDERTECH COM	CN200993853	2006-12-30
13.	Portable Computer Stand	LEUNG CHILY C	US2008142662	2006-12-16
14.	Multimedia digital book	LIU JIANSHENG	CN200976144	2006-11-24
15.	Bar, folding dual-purpose handset	XU GANGBIN	CN200944615	2006-08-22
16.	ADAPTABLE BI-FOLD SCRAPBOOK AND CRAFT WORKSTATION	ENSIGN INTERNATIONAL	WO2007146134	2006-06-07
17.	FOLDING ELECTRONIC PIANO COMPRISING KEYBOARD-STIFFENING MEANS	PARENTI RAOUL; RAOUL PARENTI	WO2006114531	2006-04-28
18.	ELECTRONIC DEVICE FOR CONDUCTING PROGRAMMED FUNCTIONS (VARIANTS) AND METHOD FOR INPUTTING COMMANDS IN SUCH A DEVICE	LG ELECTRONICS	RU2319997	2005-12-30
19.	Keyboard and its input method	LENOVO	CN100447718	2005-12-23
20.	DASHBOARD PROVIDED WITH FOLDABLE TABLE	RENAULT	WO2007060352	2005-11-28
21.	COLLAPSIBLE PROJECTION ASSEMBLY	CTS; MOTOROLA	WO2006118760	2005-04-29
22.	Ventilation support for laptop computers	SAAD DAVID J	US2006243678	2005-04-27
23.	HANDHELD ELECTRONIC DEVICE PROVIDING FEEDBACK TO FACILITATE NAVIGATION AND THE ENTRY OF INFORMATION, AND ASSOCIATED METHOD	RESEARCH IN MOTION	US2010315344	2005-02-09

Page 1 of 2 | Record 10 of 181

COLLAPSIBLE KEYBOARD

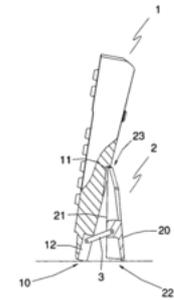


图 2 1=2

AB
(WO2009100607)
A collapsible keyboard includes a keyboard body (1), a hand rest (2) and at least one connecting component (3). The keyboard body (1) has a connecting side (10) towards the side of the user. The hand rest (2) has a bearing surface (20), a first side (22) and a second side (23), the bearing surface (20) supporting the wrist of the user, the first side (22) facing the connecting side (10) of the keyboard body (1), the second side (23) locating the reverse side of the first side (22). The connecting component (3) is set between the keyboard body (1) and the hand rest (2), and the two ends of the connecting component (3) are connected rotatably to the keyboard body (1) and the hand rest (2) respectively, for folding the hand rest (2) to the rear of the keyboard body (1). The second side (23) is engaged with the rear of the keyboard body (1), and the connecting side (10) of the keyboard body (1) and the first side (22) of the hand rest (2) are formed a support plane, for erecting the keyboard body (1) in a manner that the connecting side (10) faces downwards. The collapsible keyboard can be stably and vertically folded to reduce the table space occupation.

IN LIN CHENHSING
PA GIGA BYTE TECHNOLOGY
GYGA BYTE TECHNOLOGY
PAH (WO2009100607)
(A1) GYGA BYTE TECHNOLOGY CO LTD (CN); LIN CHENHSING (CN)
(CN201145884U)
(Y) GIGA BYTE TECH CO LTD (CN)
PA0 LIN, Chenhsing / No. 6, Bau Chiang Road, Hsin-Tien (CN) (only US)
RP (WO2009100607)

Displaying records 1 - 100 of 181

Ex. Questel Orbit

Possibilidade de edição dos termos grifados e gravação de perfis para uso posterior.

The screenshot displays the Questel Orbit patent search interface. The main window shows a patent record for "FOLDING KEYBOARD FOR A PERSONAL DIGITAL ASSISTANT" (WO200208877). The abstract describes a folding keyboard for personal digital assistants. A "Highlight Wizard" dialog box is open, allowing the user to create or edit search profiles. The dialog box has a "Highlight" section with the instruction "Fill in the form to highlight specific terms." and a "My profiles:" section with a dropdown menu set to "Last search". The profiles list includes "collaps+, fold+, retract+" (highlighted in yellow), "keyboard" (highlighted in pink), and several empty profiles. The background shows the patent details, including the title, abstract, and a technical drawing of the keyboard. The interface includes a navigation menu, a search bar, and a list of similar patents on the left side.

Patent Title: FOLDING KEYBOARD FOR A PERSONAL DIGITAL ASSISTANT

Publ. number: JP2004513415

Pub. date: 20040430

Abstract: Prior collapsible keyboards for personal digital assistants are overly complex and large. The present invention provides a folding keyboard for a personal digital assistant which folds up simply and in a small size and which is useful for standard typists. It is divided into two halves hingedly connected along a fold line. While the central or home row keys are standard size, the other two rows of keys are of reduced transverse dimension and are preferably so shaped as to allow a touch typist to use existing movements without missing the keys of reduced size.

Highlight Wizard:

Fill in the form to highlight specific terms.

My profiles: Last search

- collaps+, fold+, retract+** E.g.: bicycl+
- keyboard** E.g.: +digest+
- E.g.: +inflammatory
- E.g.: cold,cool+,freez+
- E.g.: polymeri+ation
- E.g.: brake disc

Clear Apply Ok Cancel

Patent Classification: G06F 1/16 (74) Agent: GREEN, Bruce, M.; Owen Wiggs Green & Mutsaers, 601 West Cordova Street #480, Vancouver, British Columbia V6B 1G1 (CA).

International Publication Date: January 2002 (31.01.2002)

International Publication Number: WO 02/08877 A2

Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DM, DZ, EC, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PL (utility model), PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TH, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, NG, TD, TG).

Abstract: Prior collapsible keyboards for personal digital assistants are overly complex and large. The present invention provides a folding keyboard for a personal digital assistant which folds up simply and in a small size and which is useful for standard typists. It is divided into two halves hingedly connected along a fold line. While the central or home row keys are standard size, the other two rows of keys are of reduced transverse dimension and are preferably so shaped as to allow a touch typist to use existing movements without missing the keys of reduced size.

Ex. Questel Orbit

Barra de rolagem mostra a localização dos termos grifados no texto integral

The screenshot displays the Questel Orbit web interface. On the left, a sidebar shows a list of patent records for a patent family (70 / 179 - Patent Family), including entries for JP, US, EP, and CA. The main content area shows the details for patent (A2) FOLDING KEYBOARD FOR A PERSONAL DIGITAL ASSISTANT. The abstract and description are visible, with key terms like 'collapsible keyboards' and 'folding keyboard' highlighted in yellow. A vertical scrollbar on the right side of the text area is highlighted with a purple callout box, indicating its function in locating highlighted terms in the full text. Below the text, there is a table of 'Published As' records, a list of related patent applications (AP, PR, FD, IC, ICO, ICAA), and a technical drawing of the keyboard with numbered callouts (10, 12, 13, 14, 15, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100). A purple callout box at the bottom points to the abstract and drawing area, stating that the 'Fulltext' mode allows for reading the description and viewing figures in parallel. The bottom of the interface shows a record count of 70 of 179 and a status bar with 'Displaying records 1 - 100 of 179'.

(A2) FOLDING KEYBOARD FOR A PERSONAL DIGITAL ASSISTANT

FT
(A2) CLAVIER REPLIABLE POUR UN ORDINATEUR DE POCHE

AB
Prior **collapsible keyboards** for personal digital assistants are overly complex and large. The present invention provides a **folding keyboard** for a personal digital assistant which **folds** up simply and in a small size and which is useful for standard typists. It is divided into two halves hingedly connected along a **fold** line. While the central or home row keys are standard size, the other two rows of keys are of reduced transverse dimension and are preferably so shaped as to allow a touch typist to use existing movements without missing the keys of reduced size.

FAB
Les claviers pliants connus, équipant les ordinateurs de poche, sont extrêmement complexes et encombrants. Le clavier pliant selon l'invention, destiné à un ordinateur de poche, se plie simplement, est peu encombrant et peut être utilisé pour des travaux de dactylographie standard. Il est divisé en deux parties égales, reliées de manière articulée le long d'une ligne de repliement. Les touches de la rangée centrale et de la rangée d'appui sont de dimensions standard, tandis que les deux autres rangées de touches présentent des dimensions réduites transversalement et sont configurées de préférence de façon à permettre à un dactylographe qualifié d'avoir recours aux mouvements existants sans rater les touches de dimensions réduites.

III (A2) KATZ MICHAEL (CA)
PA KATZ MICHAEL (CA)
PAH (A2) KATZ MICHAEL (CA)
PA0 KATZ, Michael; 105 West 18th Avenue, Vancouver, British Columbia V5Y 2A6 (CA)
PA1 (A2) KATZ MICHAEL (CA)
RP (A2) GREEN, Bruce, M.; Oyen Wiggs Green & Mutala, 601 West Cordova Street #480, Vancouver, British Columbia V6B 1G1 [CA]

Published As

Publ. number	Pub. date	Appl. number	Appl. date	Publ. Stage	Links
PCT WO0208877	20020131			A2 -	   

AP
WOCA0100983 20010718 [2001WO-CA00983]
PR
US85015801 20010508 [2001US-0850158]
US21912500P 20000719 [2000US-P219125]
FD
US85015801 20010508 [2001US-0850158] : 8501580120010508 [2001US-0850158]
IC
G06F-001/16
ICO
T04M-001/02A2B4
T04M-001/725F1B
ICAA
G06F-003/02 [2006-01 A F I R M JP];
G06F-001/16 [2006-01 A - I R M EP];
H01H-013/702 [2006-01 A L I R M JP];
H04M-001/02 [2006-01 A - I R M EP];
H04M-001/23 [2006-01 A - I R M EP];

Record 70 of 179

Displaying records 1 - 100 of 179

Visualização em modo "Fulltext" permite leitura de descrição e visualização de figuras em paralelo

Ex. Questel Orbit

Possibilidade de ordenamento dos resultados por relevância

The screenshot displays the Questel Orbit patent search interface. The search criteria are "(collapsible)/BI/SA AND (keyboard)/BI/SA", resulting in 179 records. The results are sorted by relevance. The interface includes a search menu on the left, a main results table, and a detailed view on the right.

#	Title	Original or current assignee	Publ. number	Pr. Date	Date	Code	Action
51.	Collapsible keyboard	CHANGSHU SUNREX TECHNOLOGY	US6547463	2002-01-16	20020404	WO/AL [ADM;POS]	MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
52.	WIRELESS KEYBOARD FOR HAND-HELD COMPUTERS	POCKETOP COMP, POCKETOP COMPUTER	WO03060681	2002-01-04	20020404	WO/A3 [EXM;POS]	International search report WO200208876 A3 20020404 [WO200208876]
53.	Collapsible keyboard	DARFON ELECTRONICS	US2003122690	2001-12-28	20020530	WO/DFPE [EXM]	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)
54.	COLLAPSIBLE PORTABLE COMMUNICATION TERMINAL	FDK	JP2003198664	2001-12-28	20030102	WO/REG; DE/8642 [EN]	REFERENCE TO NATIONAL CODE DE: IMPACT ABOLISHED FOR DE - I.E. PCT APPL. NOT ENT. GERMAN PHASE DE: WIRKUNG WEGGEFALLEN FUER DE Corresponding cc: DE
55.	MECHANISM FOR UNFOLDING AND FOLDING OF FOLDING KEYBOARDS OF PORTABLE COMPUTERS AND SIMILAR DEVICES	KORSAKOV GRIGORU	WO2004006077	2001-12-11	20030903	WO/32PN [ADM;NEG]	EP: PUBLIC NOTIFICATION UNDER RULE 80 EPC, NOTIFIED IN THE EP BULLETIN COMMUNICATON PURSUANT TO RULE 69(1) EPC
56.	Collapsible keyboard	LITE ON TECHNOLOGY	US2003063939	2001-09-28	20031105	WO/122 [ENP;NEG]	EP: PCT APP. NOT ENT. EUROP. PHASE
57.	Collapsible keyboard	YAN HUEI SHIANG; YEN HUEY SHIANG	US2003048595	2001-09-10	20050606	WO/NENP [RLW]	NON-ENTRY INTO THE NATIONAL PHASE IN: Corresponding cc: JP
58.	Foldable keyboard work platform and carrying case		US2003034263	2001-08-17	AU7562701 A		
59.	Key switch	BEHAVIOR TECH COMPUTER	US2003029708	2001-08-10	Legal Status N/A		
60.	Collapsible keyboard	BEHAVIOR TECH COMPUTER	US2003030623	2001-08-10	Dead: US2002030965 A1, US6594142 B2		
61.	Collapsible folding mini USB/MIDI keyboard controller		US2003019346	2001-07-27	20010508	US/API [EXM;POS]	FILING DETAILS US85015801 20010508 [2001US-0850158]
62.	POP-UP ELECTRONIC EQUIPMENT ENCLOSURE	LAPDOME	WO0200000000	2001-06-06	20020314	US/A1 [EXM;POS]	First published patent application US2002030965 A1 20020314 [US2002030965]
63.	COLLAPSIBLE PANEL FOR AN ELECTRONIC DEVICE	BORUCKI GREGORY C; CECCHI MARINO; QUINN BRIAN P	US200104051618	2001-05-11	20030715	US/B2 [PIF;POS]	Granted patent as second publication US6594142 B2 20030715 [US6594142]
64.	Stroller with programmable information module	GERICO CHILDREN'S PRODUCTS CO	US200103132612	2001-05-09	20070904	US/FP-A [NEG;NIF]	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEEEFFECTIVE DATE: 20070715
65.	Flat hanging computer mouse		US200102149905	2001-04-11	Dead: CA2366636 A1		
66.	Height-adjusting computer mouse button key		US200102148711	2001-04-11	20020104	CA/API [EXM;POS]	FILING DETAILS CA2366636 20020104 [2002CA-2366636]
67.	Portable computer mouse		US200102100398	2001-01-31	20021108	CA/A1 [EXM;POS]	Application laid open CA2366636 A1 20021108 [CA2366636]
68.	Ergonomic furniture	FARIA SABRINA ANN; LAWRENCE R C	GB2369565	2000-12-04	20070104	CA/FZDE-A [NEG;NIF]	DEAD
69.	Collapsible computer mouse pad		US2002117588	2000-10-04	Dead: US2002191999 A1, US6679639 B2		
70.	FOLDING KEYBOARD FOR A PERSONAL DIGITAL ASSISTANT	KATZ MICHAEL; MICHAEL KATZ; POCKETOP COMPUTERS	WO200208877	2000-07-19	20020626	US/API [EXM;POS]	FILING DETAILS US17916902 20020626 [2002US-0179169]
71.	Folding keyboard for a personal digital assistant	POCKETOP COMPUTERS	US2005025551	2000-07-19	First published patent application		
72.	Method and system for web management	EGRAIL	EP1172734	2000-07-12			
73.	Collapsible keyboard	DARFON ELECTRONICS	US2002003530	2000-07-05			
74.	Collapsible keyboard	ACER; DARFON ELECTRONICS	US2002001498	2000-07-01			
75.	Electronic device with collapsible display	IPG ELECTRONICS S03; PHILIPS	EP1193953	2000-06-30			

Visualização do "Legal Status" para cada família de patentes: Modo Textual

Ex. Questel Orbit

Orbit.com | Display | Add to | Export | Top | Citations | Translate | Compare | Save | Alert | Logout

Menu | 179 results for ((collapsible)/BI/SA AND (keyboard)/BI/SA) | Claims | Key Content | Fulltext | Legal Status | Timeline (beta)

Select all results

#	Title	Original or current assignee	Publ. number	Pr. Date
51.	Collapsible keyboard	CHANGSHU SUNREX TECHNOLOGY	US6547463	2002-01-16
52.	WIRELESS KEYBOARD FOR HAND-HELD COMPUTERS	POCKETOP COMP, POCKETOP COMPUTER	WO03060681	2002-01-04
53.	Collapsible keyboard	DARFON ELECTRONICS	US2003122690	2001-12-28
54.	COLLAPSIBLE PORTABLE COMMUNICATION TERMINAL	FDK	JP2003198664	2001-12-28
55.	MECHANISM FOR UNFOLDING AND FOLDING OF FOLDING KEYBOARDS OF PORTABLE COMPUTERS AND SIMILAR DEVICES	KORSAKOV GRIGORU	WO2004006077	2001-12-11
56.	Collapsible keyboard	LITE ON TECHNOLOGY	US2003063939	2001-09-28
57.	Collapsible keyboard	YAN HUEI SHIANG; YEN HUEY SHIANG	US2003048595	2001-09-10
58.	Foldable keyboard work platform and carrying case		US2003034263	2001-08-17
59.	Key switch	BEHAVIOR TECH COMPUTER	US2003029708	2001-08-10
60.	Collapsible keyboard	BEHAVIOR TECH COMPUTER	US2003030623	2001-08-10
61.	Collapsible/folding mini USB/MIDI keyboard controller		US2003019346	2001-07-27
62.	POP-UP ELECTRONIC EQUIPMENT ENCLOSURE	LAPDOME	WO02098763	2001-06-06
63.	COLLAPSIBLE PANEL FOR AN ELECTRONIC DEVICE	BORUCKI GREGORY C; CECCHI MARINO; QUINN BRIAN P	WO2004051618	2001-05-11
64.	Stroller with programmable information module	GERICO CHILDREN PRODUCTS; GRACO CHILDRENS PRODUCTS	US2003132612	2001-05-09
65.	Flat hanging computer	HEWLETT PACKARD; HEWLETT PACKARD DEVELOPMENT	US2002149905	2001-04-11
66.	Height-adjusting collapsible mechanism for a button key	DARFON ELECTRONICS	US2002148711	2001-04-11
67.	Portable computer stand for a laptop computer		US2002100398	2001-01-31
68.	Ergonomic furniture	FARIA SABRINA ANN; LAWRENCE R C	GB2369565	2000-12-04
69.	Collapsible computer mouse pad		US2002117588	2000-10-04
70.	FOLDING KEYBOARD FOR A PERSONAL DIGITAL ASSISTANT	KATZ MICHAEL; MICHAEL KATZ; POCKETOP COMPUTERS	WO200208877	2000-07-19
71.	Folding keyboard for a personal digital assistant	POCKETOP COMPUTERS	US2005025551	2000-07-19
72.	Method and system for web management	EGRAL	EP1172734	2000-07-12
73.	Collapsible keyboard	DARFON ELECTRONICS	US2002003530	2000-07-05
74.	Collapsible keyboard	ACER; DARFON ELECTRONICS	US2002001498	2000-07-01
75.	Electronic device with collapsible display	IPG ELECTRONICS S03; PHILIPS	EP1193953	2000-06-30

Google | Sort by relevance

Appl. Folding cellular telephone and digital assistant with

	01	02	03	04	05	06	07	08	09	10	11
Published As											
WO200208877	■	■	■	■	■	■	■	■	■	■	■
AU7225201	■	■	■	■	■	■	■	■	■	■	■
EP1305699	■	■	■	■	■	■	■	■	■	■	■
JP2004513415	■	■	■	■	■	■	■	■	■	■	■
WO200208876	■	■	■	■	■	■	■	■	■	■	■
AU7562701	■	■	■	■	■	■	■	■	■	■	■
US2002030965	■	■	■	■	■	■	■	■	■	■	■
CA2366636	■	■	■	■	■	■	■	■	■	■	■
US2002191999	■	■	■	■	■	■	■	■	■	■	■

■ Applied ■ Published, Restored ■ Granted, Extended ■ Rejected, Invalid
 ■ Expired, Revoked, Lapsed ■ Abandoned, Withdraw, Cancelled

Page 3 of 8 | Record 70 of 179 | Displaying records 51 - 75 of 179

Visualização do "Legal Status" para cada família de patentes: Modo Gráfico - "Timeline"

Ex. Questel Orbit

Buscas por citações por múltiplas famílias simultaneamente e em diversas categorias

The screenshot displays the Questel Orbit patent search interface. The search criteria are set to "179 results for ((COLLAPSIBLE)/B)". The results list includes:

- 1. Electromagnetic isolation chamber for accurately manipulating devices therein** (US2011031009) by ROLLAND STEPHEN. Description: An EMI shielded isolation chamber is provided, having an integral manipulator for manipulating electronic devices such as cell phones within the chamber, whereby a probe can be precisely positioned to selectively and directly actuate controls, switches, and keypads upon the devices anywhere in the chamber upon rotation of a probe tip. Extensible **collapsible** shielding boots are coupled between wall portions of the shielded chamber, adjacent a wall mounted manipulator support gimbal, and forward or rearward portions of the mechanical manipulator for preventing EMI signals from entering or leaving the shielded chamber. Alternatively, the gimbal constitutes the shielding device whereby a metallic hollow ball, slidably and rotatably supporting and containing the elongated manipulator, is mechanically biased snugly against a concave metallic member to block radiation from entering or leaving the shielded chamber. The probe tip is self-illuminated by an LED, thus providing illumination for the portion of the device being actuated.
- 2. Bedtime Computer Table** (US2010300334) by TCHOLAKOV STAYKO. Description: A bedtime computer table allows one to comfortably use a laptop computer or other portable electronic devices while reclining in bed or sofa. The bedtime computer table consists of a flat panel to support a laptop computer and a mouse, a set of **collapsible** leg panels that support said panel and reciprocal locking fixtures that set members at fixed positions. The bedtime computer table can be in folded or unfolded position. The bedtime computer table has some of the following functions: a) Protects user from heat and absorbs heat from a laptop computer. b) Organizes one's usage of laptop computer, computer **keyboard** and a mouse while staying in bed or sofa. c) Alleviates weight pressure from user's lap.
- 3. HANDHELD ELECTRONIC DEVICE AND KEYBOARD HAVING MULTIPLE-FUNCTION KEYS** (US2010271309) by FYKE STEVEN HENRY. Description: An improved handheld electronic device having an improved **keyboard** provides enhanced usability with fewer keys by enabling the keys to pivot slightly to provide multiple functions to the keys. The improved **keyboard** may, for example, include internal strips of conductive carbon that are disposed adjacent the keys and are electrically engageable with contacts on a printed circuit board. Specifically, when a key is pressed directly downward it collapses a single dome and connects together a set of primary contacts to provide a first function. When the key is pressed at the side thereof, the key pivots slightly, collapses the dome and connects together the primary contacts, and also engages a carbon strip with a pair of secondary contacts to connect together the secondary contacts, of all of which provide a second function. The **keyboard** may be configured to be of a QWERTY configuration while using only a relatively small number of keys.
- 4. DETECTING KEY ACTUATION IN A KEYBOARD** (US2010271310) by OLODORT ROBERT; TANG JOHN; TURCHIK RANDY. Description: A system and method for detecting key actuation in a **keyboard** assembly, which, in one embodiment, is used as a conductor to electrically communicate with an information appliance. The rows in the **keyboard** assembly are electrically isolated from one another, and each row contains keys bridging a two-wire bus. Each key has a switch that is closed during key actuation, a diode to polarize the key, and a resistor to provide a resistive load when the switch is closed and the diode is biased with the current flow. Alternatively, each key has a switch that is closed during key actuation, a timer with an output that goes high after a predetermined time period, and a resistor that provides an identifying load when the switch is closed and the output of the timer is high. Other features of the invention include a linear matrix coupled to a row of keys to allow the row to be scanned by sections and individual keys, and a flexible circuit that provides the electrical pathways for the linear matrix.

The interface also shows a sidebar with navigation options like "Searches", "My Session", and "Past Sessions". A right-hand panel displays details for a selected patent, including "Published As", "Cited Patents", and "No citing patent". A callout box highlights the search criteria: "Buscas por citações por múltiplas famílias simultaneamente e em diversas categorias".

Ex. Questel Orbit

Visualização apenas de figuras representativas para cada família de patentes

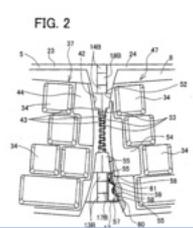
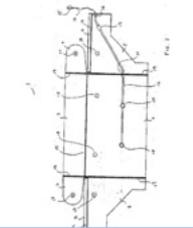
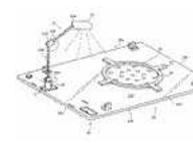
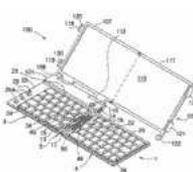
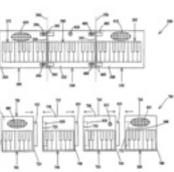
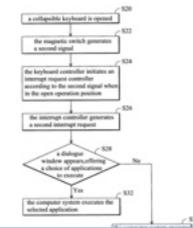
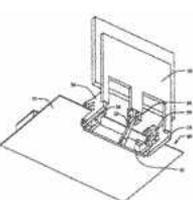
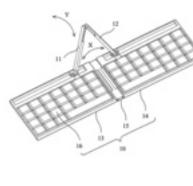
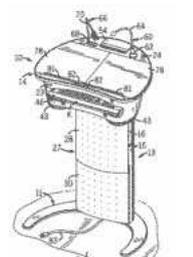
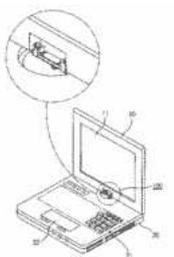
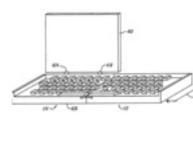
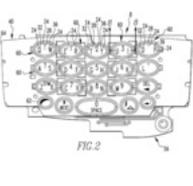
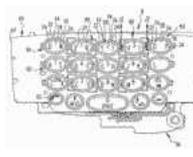
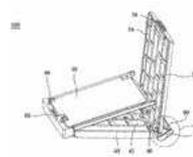
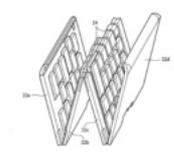
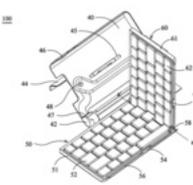
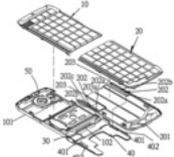
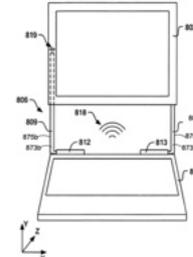
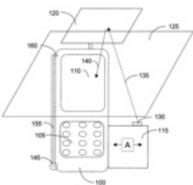
Orbit.com | Display | Add to | Export | Top | Citations | Compare | Save | Alert | Analyse

179 results for ((COLLAPSIBLE)/BI/SA AND (KEYBOARD)/BI/SA)

FAMPAT | Clear selection | 179 results are selected.

Google | Sort by relevance

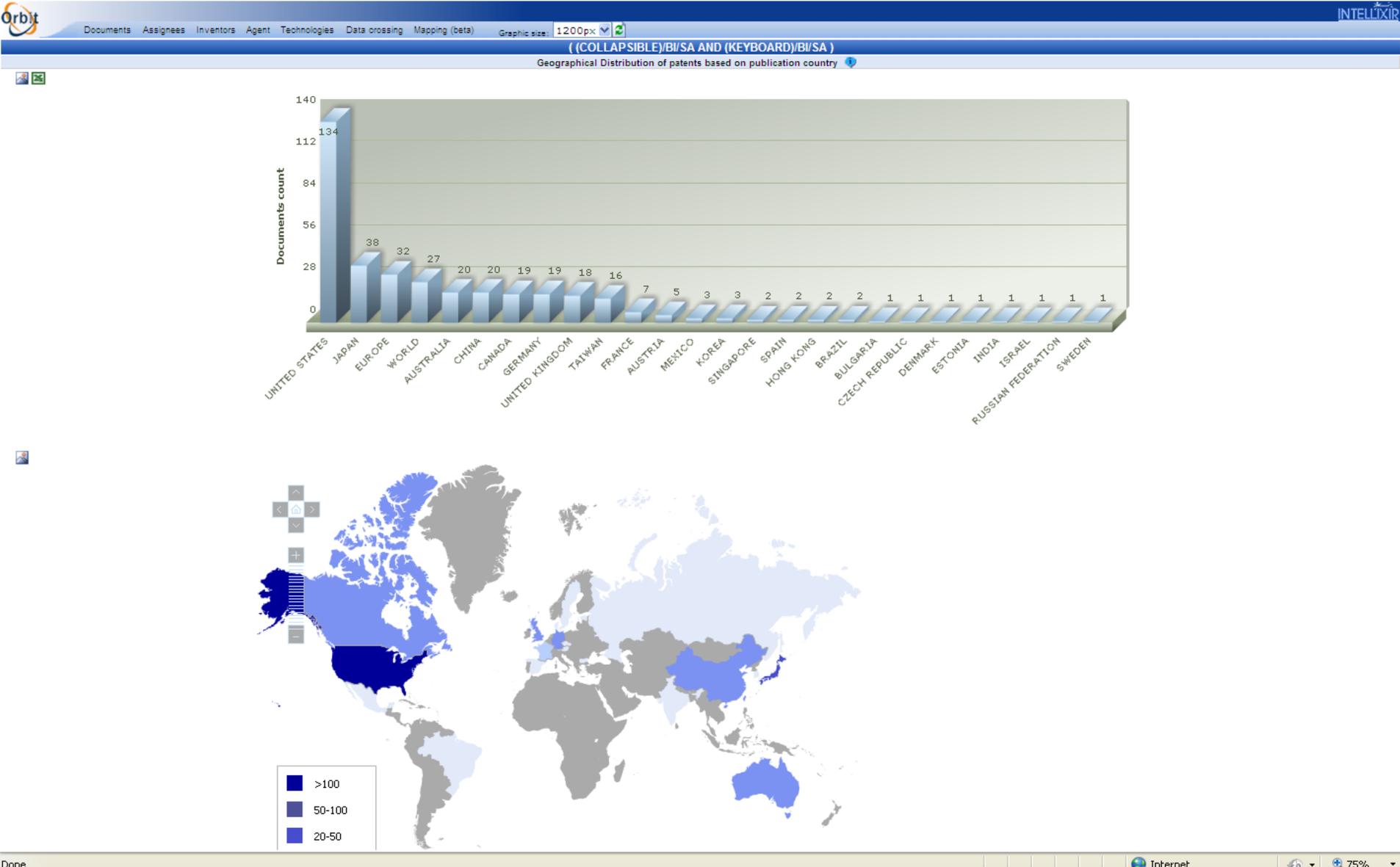
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<input checked="" type="checkbox"/>	An auxiliary device of learni...			
<input checked="" type="checkbox"/>	Tabulate computer			
<input checked="" type="checkbox"/>	Lectern			
<input checked="" type="checkbox"/>	Collapsible keyboard with ...			



Page 1 of 2 | Record 8 of 179 | Displaying records 1 - 100 of 179

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Cobertura Geográfica
(Publicações por Países)



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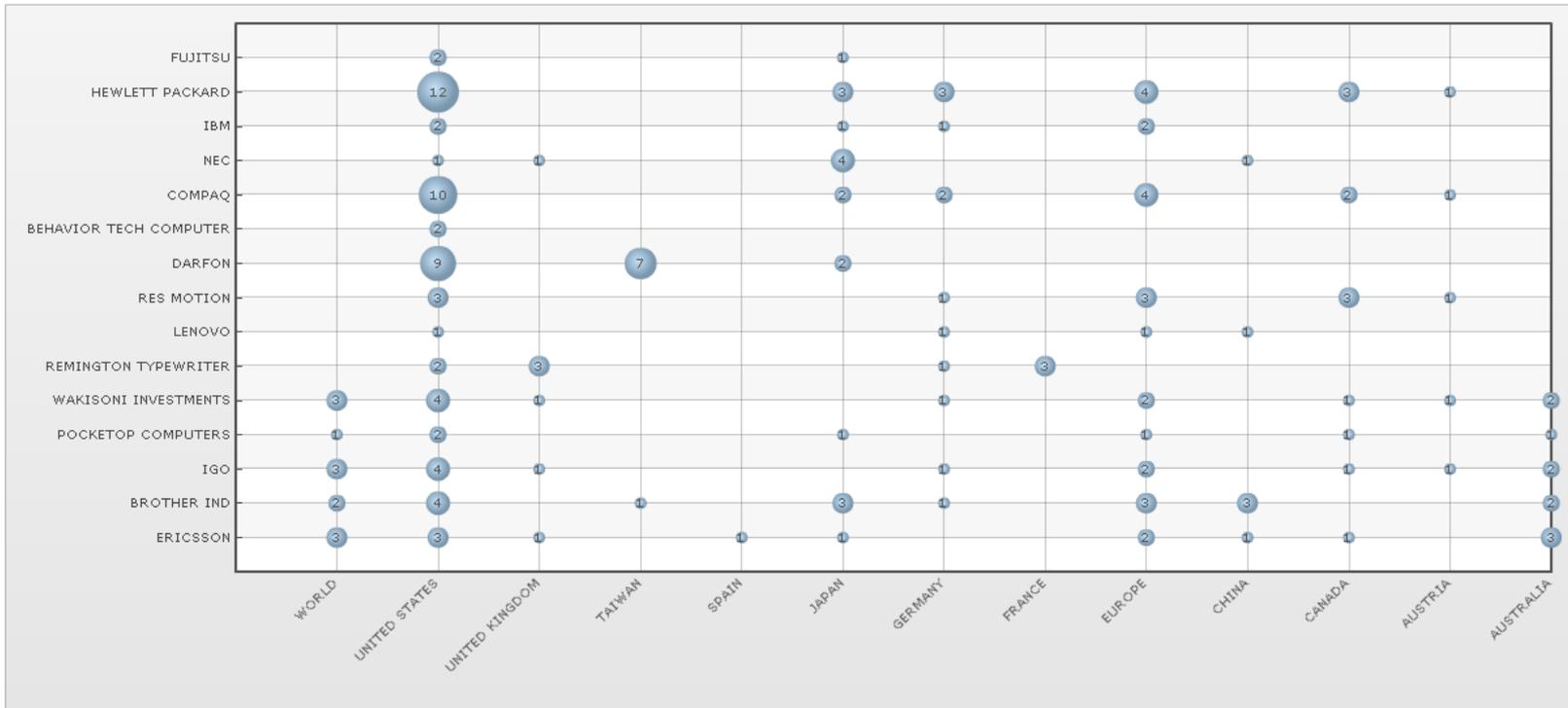
Cobertura Geográfica Principais Depositantes



Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1200px

((COLLAPSIBLE)/BI/SA AND (KEYBOARD)/BI/SA)

Bubble graph for Assignees/Patent country



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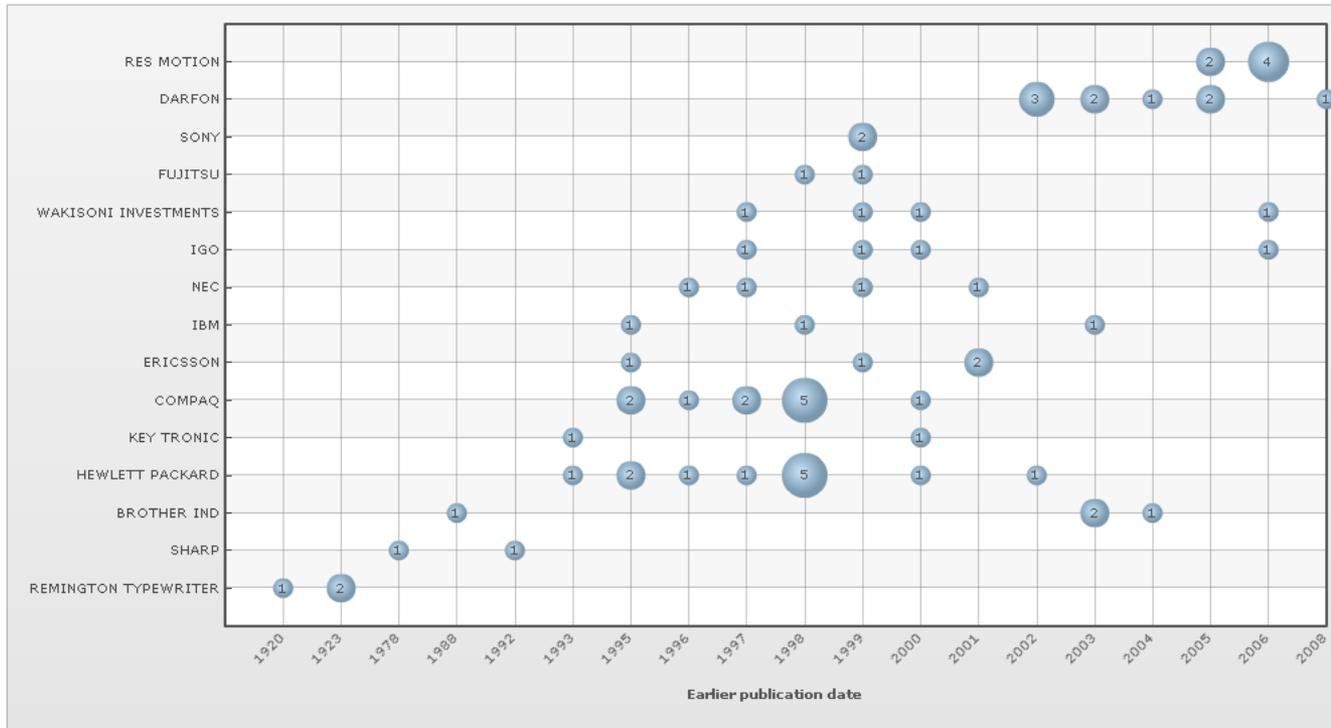
Evolução Temporal Principais Depositantes



Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px

((COLLAPSIBLE)/BI/SA AND (KEYBOARD)/BI/SA)

Evolution of top 15 assignees



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Mapa de Citações: Titulares



Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px

((COLLAPSIBLE)/BI/SA AND (KEYBOARD)/BI/SA)

Citations map

Category: All OK

Zoom



Cocurrences 1 Min

Occurrences 1 Min

Duration 11 years

End date 2006

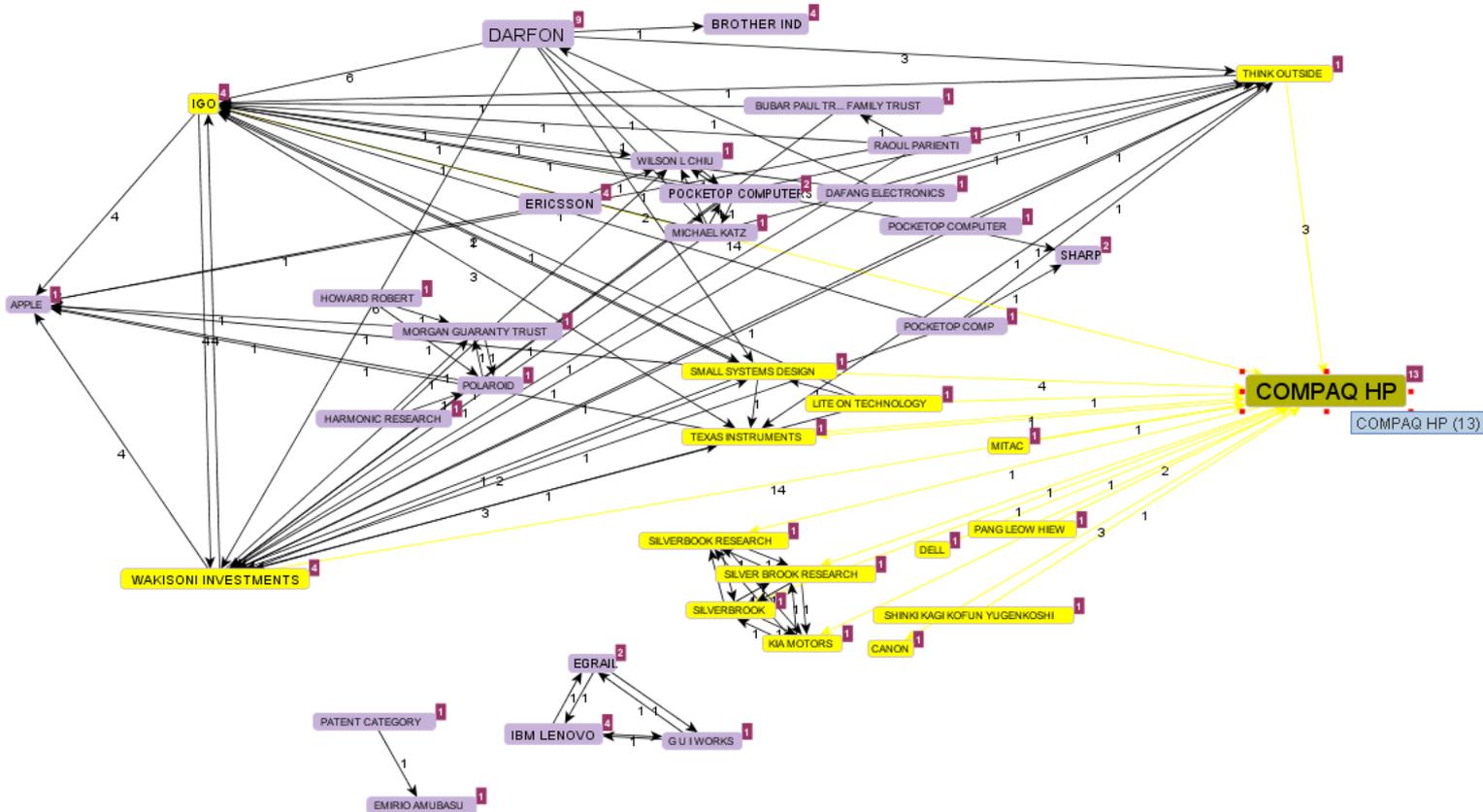
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- CANON
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- PANG LEOW HIEW
- HOWARD ROBERT
- RAOUL PARIENTI
- POLAROID
- SHARP
- POCKETTOP COMP
- EMIRIO AMUBASU
- PATENT CATEGOR
- G U I WORKS
- IBM LENOVO
- EGRAIL
- DAFANG ELECTRO
- BUBAR PAUL TR...
- BROTHER IND
- DARFON
- DELL
- KIA MOTORS
- TEXAS INSTRUME
- SMALL SYSTEMS
- SILVERBOOK RES
- POCKETTOP COMP
- WAKISONI INVEST
- POCKETTOP COMP
- MORGAN GUARAN
- THINK OUTSIDE
- MICHAEL KATZ
- COMPAQ HP
- LITE ON TECHNOL
- APPLE
- IGO



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Exportação para TXT, PDF, RTF, XLS, CSV, XML e Email. Exportação para VantagePoint, Intelixir, Bizint

The screenshot displays the Questel Orbit web interface. On the left, a navigation menu includes sections for 'Searches', 'My Session', 'Past Sessions', 'My Searches', and 'My Lists'. The main search results area shows 179 results for the query 'Collapsible keyboard'. A table lists the results with columns for title, publication number, and date. The 10th result is highlighted, showing a patent for a 'Collapsible keyboard structure for a notebook computer' by COMPAQ COMPUTER, COMPAQ INFO... (EP0691601, 1994-06-30). To the right of the table, a technical drawing of a keyboard mechanism is shown, labeled with various parts and numbered 30 through 90. Below the drawing, the patent details for the selected entry are displayed, including the inventor (HSU CHIEN-SHIH), the assignee (DAFANG ELECTRONICS, DARFON ELECTRONICS), and the patent number (US20050224320).

#	Title	Publ. number	Pr. Date
1.	Computer s alternate di method the	US2004093449	2002-11-12
2.	Foldable ke	WO03104962	2002-06-04
3.	Collapsible	US2003122690	2001-12-28
4.	Collapsible a computer	US6256017	1994-02-24
5.	Collapsible	US2005224320	2004-04-09
6.	Collapsible	US2005258021	2004-05-21
7.	Collapsible	US2003197628	2002-04-17
8.	Collapsible	WO9843156	1997-03-21
9.	Collapsible	US2002003530	2000-07-05
10.	Collapsible keyboard structure for a notebook computer	EP0691601	1994-06-30
11.	Foldable keyboard	WO03104961	2002-06-04
12.	Collapsible keyboard	US2003030623	2001-08-10
13.	Collapsible keyboard with supporting structure	US2004175220	2003-03-07
14.	Collapsible keyboard	US2003063939	2001-09-28
15.	Collapsible keyboard	US2008173529	2004-04-09
16.	Collapsible keyboard pointing stick structure	US5786806	1996-03-29
17.	Compact notebook computer having a foldable and collapsible keyboard structure	EP0691603	1994-06-30
18.	Collapsible keyboard	US5163785	1992-03-04
19.	Collapsible keyboard mechanism with integrated lcd display	US6137676	1998-05-22
20.	Collapsible keyboard	WO9924963	1997-11-12
21.	Double spring collapsible keyboard structure for a notebook computer, responsive to opening and closing of the computer's lid via relatively shiftable key support structure and shift member	US5677826	1994-06-30
22.	Collapsible musical keyboard	US2004083877	2002-10-30
23.	Collapsible keyboard stand	US4770380	1987-06-22

Collapsible keyboard

100

AB
(US20050224320)
A **collapsible keyboard** comprises a first key assembly, a second key assembly rotatably connected to the first key assembly and a third key assembly rotatably connected to the second key assembly. The first key assembly is located between the second and third key assemblies when the **collapsible keyboard** is in a collapsed mode, and the first key assembly, the second and third key assemblies are substantially located on the same level when the **collapsible keyboard** is in an operating mode.

III HSU CHIEN-SHIH
PA DAFANG ELECTRONICS
DARFON ELECTRONICS
PAH (US20050224320)
HSU CHIEN SHIH; FROM 20050317 TO 20050317
DARFON ELECTRONICS; FROM 20050317
(JP2005302016)
(A) DAFANG ELECTRONICS CO LTD
(TW-228739)
(B) DARFON ELECTRONICS CORP (TW)
(A) DARFON ELECTRONICS CORP
PA0 Darfon Electronics Corporation, Taoyuan [TW]
RP (US20050224320)
(A1) QUINTERO LAW OFFICE; 1617 BROADWAY, 3RD FLOOR, SANTA MONICA, CA, 90404[US]
(B2) Quintero Law Office

Page 1 of 8 Record 5 of 179

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Exportação de múltiplos campos, incluindo imagens, reivindicações, famílias de patentes, etc.

The screenshot displays the Questel Orbit interface with search results for '179 results for ((COLLAPSIBLE)/BI/SA AND (K'. The results list includes:

- 1. Electromagnetic isolation chamber for manipulating devices therein (US20110031009)
- 2. Bedtime Computer Table (US20100300334)
- 3. HANDHELD ELECTRONIC DEVICE AND KEY HAVING MULTIPLE-FUNCTION KEYS (US20100271309)
- 4. DETECTING KEY ACTUATION IN A KEYBOARD (US20100271310)
- 5. (U3) Collapsible keyboard (JP3092668U)

Two 'Export' dialog boxes are overlaid on the screen:

- Template options:** Allows choosing how data will be formatted. Options include 'Classical' and 'Kwic'. A 'Patent number format' dropdown is set to 'Short'. Under 'Data', 'Complete' and 'Custom' are available. The 'With' section has 'Images' checked, along with 'Full name for columns header', 'One member per line', and 'Representative member only'.
- Fields selection:** Allows selecting information to export. The 'Select' dropdown is set to 'All'. Numerous fields are listed with checkboxes, including 'FamPat Family Accession Number', 'FamPat Family Numbers and Dates', 'Publication Number Only', 'English Title - Native or Translation', 'Title - Other Languages', 'Priority Numbers and Dates', 'Oldest Priority Date', 'Inventor(s)', 'Assignee(s)', 'International Classification', 'European Classification', 'US Classification', 'Japanese Classification', 'English Abstract - Native or Official Trans.', 'English Abstract - Machine Translation', 'Abstract - Other Languages', 'Designated States', 'Key Info', 'Description', 'Claims', 'Patent and Non-Patent Literature Citations', 'Cited Patent Number Only', 'Legal Status', and 'Other:'. 'Description' and 'Claims' are checked.

Navigation controls at the bottom show 'Page 1 of 2' and 'Record 1 of 179'.

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Exportação de múltiplos campos, incluindo imagens, reivindicações, famílias de patentes, etc.

Microsoft Excel - Exemplo Relatório XLS

Arquivo Editar Exibir Inserir Formatar Ferramentas Dados Janela Ajuda Adobe PDF

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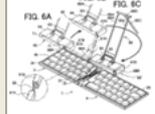
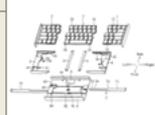
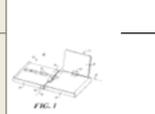
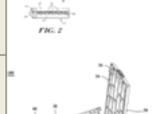
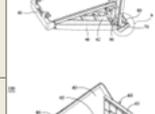
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Arial Unicode MS 10

Responder com alterações... Finalizar revisão...

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D2 Computer system with collapsible keyboard and alternate display functions and processing method thereof

	A	B	C	D	E	F	G	H
	IMAGE	FAN	XPN	TI	PA	IC	AB	ECLM
1		2009011710856	US7054973; US20040093449 DE10331550 JP2004164544 TW200407784	Computer system with collapsible keyboard and alternate display functions and processing method thereof	MITAC TECHNOLOGY SHINKI KAGI KOFUN YUGENKOSHI	G06F-001/16 G06F-001/18 G06F-003/02 G06F-003/023 G06F-009/44 G06F-013/00 G06F-013/20 G06F-013/24	(US20040093449) A computer system with collapsible keyboard and alternate display functions. The computer system includes a main body which stores at least one application. A monitor and collapsible keyboard are coupled to the main body, the keyboard disposable in an open operating position and a folded position. A signal generating device is coupled to both the collapsible keyboard and the main body to generate a first	(US7054973) What is claimed is: 1. A computer system, comprising a main body for storing at least an application; a monitor coupled to the main body; a keyboard coupled to the main body, disposable in at least an open operating position and a folded position, wherein, when disposed in the folded position, the keyboard covers a first
2		2009011304584	WO2003104962 EP1510910 US20050105952 JP2004021416 JP2004013354 JP2004013343 JP2004013342 JP2004013340 JP2004013336 CN1856436 AU2003241978	FOLDABLE KEYBOARD	BROTHER INDUSTRIES	B41J-005/08 G06F-001/16 G06F-003/02 G06F-015/02	(WO2003104962) A control section (62) is provided independent of a keyboard (1), and the control section (62) and a first keyboard unit (3) are connected to each other by an adjustable arm (67). The control section (62) can be placed at substantially the center position of the keyboard (1) because of the adjustable characteristics of the adjustable arm (67). This enables PDA73 connected to a connection member (64) of the control section (62) to be	(EP1510910) 1. A foldable keyboard in which a rotational connecting part is provided between a first keyboard unit in which a plurality of key switches to be operated for a left hand are arranged and a second keyboard unit in which a plurality of key switches to be operated for a right hand are arranged so that both units are rotated about the rotational connecting part in a direction to come apart from each other into a horizontally arranged state
3		20090110916458	US6950038; US20030122690 TW-534390U	Collapsible keyboard	DARFON ELECTRONICS	G06F-003/02 G06F-003/023 H03K-017/94 H03M-011/00	(US20030122690) A collapsible keyboard . The collapsible keyboard includes a keyboard chassis, a right track frame, a right key set and a main key set. The right track frame is disposed on the keyboard chassis and slides rightward and leftward. The right track frame has a first sloped sliding groove. The left portion of the first sloped sliding groove is higher than the right portion of the first sloped sliding groove. The right key set is connected to	(US6950038) 1. A collapsible keyboard, comprising: a keyboard chassis; a right track frame slidably disposed on the keyboard chassis and sliding rightward and leftward, the right track frame having a first sloped sliding groove, wherein the left portion of the first sloped sliding groove is higher than the right portion of the first sloped sliding groove; a right key set movably connected to the right track frame, the right key set sliding the right track frame move
4		20090090073237	US6256017	Collapsible keyboard and display mechanism for a computer system		G06F-001/16 G06F-003/02 G09G-005/00	(US6256017) A collapsible keyboard and display mechanism for a computer system includes a collapsible keyboard having at least two independent keyboard sections and a first hinge device for enabling at least two of the keyboard sections to fold together in face to face relationship; and an independent display section disposed between the two keyboard sections in the collapsed condition	(US6256017) What is claimed is: 1. A collapsible keyboard and display mechanism for a computer system comprising: a) A collapsible keyboard housing having at least two keyboard sections, said housing having a first hinge for enabling two of said keyboard sections to fold together in a face to face relationship, each of said keyboard sections having a
5		20090120271268	US7375295; US20050224320 JP2005302016 TW-228739; TW200534314	Collapsible keyboard	DAFANG ELECTRONICS DARFON ELECTRONICS	G06F-001/16 G06F-003/00 G06F-003/02 H01H-003/00 H01H-009/00 H01H-009/420 H01H-009/426 H01H-013/470	(US20050224320) A collapsible keyboard comprises a first key assembly, a second key assembly rotatably connected to the first key assembly and a third key assembly rotatably connected to the second key assembly. The first key assembly is located between the second and third key assemblies when the collapsible keyboard is in a collapsed mode, and the first key assembly, the second and third key assemblies are substantially located on the	(US7375295) What is claimed is: 1. A collapsible keyboard, comprising: a first key assembly; a second key assembly rotatably connected to the first key assembly; a third key assembly rotatably connected to the second key assembly, wherein the first key assembly is located between the second and third key assemblies when the
6		20090120378246	US7153050; US20050258021 JP3112517U TW200539001	Collapsible keyboard	DARFON ELECTRONICS	B41J-011/00 B41J-011/56 B41J-029/06 G06F-003/02 H01H-009/00	(US20050258021) A collapsible keyboard comprises a connection part, a top cover pivoted to the connection part, a first key assembly connected to the connection part and movable between a first position and a second position, and a second key assembly pivoted to the first key assembly. The first key assembly is	(US7153050) What is claimed is: 1. A collapsible keyboard, comprising: a connection part comprising a hook; a top cover pivoted to the connection part; a first key assembly connected to the connection part and movable between a first position and a second position; and

Exemplo Relatório XLS

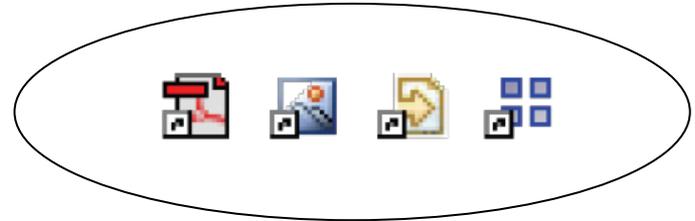
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Ex. Questel Orbit

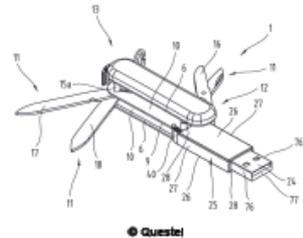
Pocket tool US20050081302

<p>Patent Assignee VICTORINORKS VICTORINOX</p> <p>Inventor ELSENER CARL</p> <p>International Patent Classification A61C-015/00;A61C-015/02;B25F;B25F-001/00;B25F-001/04;B26B;B26B-001/00;B26B-001/04;B26B-011/00;B26B-013/00;B26B-013/22;G06F;G06F-001/00;G06F-003/00;G06F-013/00;G06K-019/04;G06K-019/077;G11C;G11C-016/00</p> <p>US Patent Classification D07118000;D07170000</p>		<p>Publication Information US2005081302 A1 20050421 [US20050081302]</p> <p>Priority Details 2003AT-0001650 20031017 2004AT-0001579 20040921</p>																																																																																																	
<p>Patent family</p> <table border="1"> <tr> <td>DE102004048116</td> <td>B4</td> <td>20111208</td> <td>[DE102004048116]</td> </tr> <tr> <td>AT500428</td> <td>B1</td> <td>20110815</td> <td>[AT-500428]</td> </tr> <tr> <td>CN101890728</td> <td>A</td> <td>20101124</td> <td>[CN101890728]</td> </tr> <tr> <td>HK1073625</td> <td>A1</td> <td>20101119</td> <td>[HK1073625]</td> </tr> <tr> <td>FR2891179</td> <td>B1</td> <td>20100730</td> <td>[FR2891179]</td> </tr> <tr> <td>CH700252</td> <td>B1</td> <td>20100730</td> <td>[CH-700252]</td> </tr> <tr> <td>CN1628940</td> <td>B</td> <td>20100809</td> <td>[CN1628940B]</td> </tr> <tr> <td>FR2861007</td> <td>B1</td> <td>20090522</td> <td>[FR2861007]</td> </tr> <tr> <td>TW301790</td> <td>B</td> <td>20081011</td> <td>[TW-301790]</td> </tr> <tr> <td>GB2407056</td> <td>B</td> <td>20070912</td> <td>[GB2407056]</td> </tr> <tr> <td>AT500097</td> <td>B9</td> <td>20070815</td> <td>[AT-500097]</td> </tr> <tr> <td>AT500097</td> <td>B1</td> <td>20070715</td> <td>[AT-500097]</td> </tr> <tr> <td>FR2891179</td> <td>A1</td> <td>20070330</td> <td>[FR2891179]</td> </tr> <tr> <td>US7146567</td> <td>B2</td> <td>20051212</td> <td>[US7146567]</td> </tr> <tr> <td>AT500428</td> <td>A1</td> <td>20051215</td> <td>[AT-500428]</td> </tr> <tr> <td>AT500097</td> <td>A1</td> <td>20051015</td> <td>[AT-500097]</td> </tr> <tr> <td>TW200529993</td> <td>A</td> <td>20050916</td> <td>[TW200529993]</td> </tr> <tr> <td>CN1628940</td> <td>A</td> <td>20050622</td> <td>[CN1628940]</td> </tr> <tr> <td>DE102004048116</td> <td>A1</td> <td>20050512</td> <td>[DE102004048116]</td> </tr> <tr> <td>FR2861007</td> <td>A1</td> <td>20050422</td> <td>[FR2861007]</td> </tr> <tr> <td>US2005081302</td> <td>A1</td> <td>20050421</td> <td>[US2005081302]</td> </tr> <tr> <td>KR20050037399</td> <td>A</td> <td>20050421</td> <td>[KR20050037399]</td> </tr> <tr> <td>GB2407056</td> <td>A</td> <td>20050420</td> <td>[GB2407056]</td> </tr> <tr> <td>GB0422725</td> <td>D0</td> <td>20041117</td> <td>[GB200422725]</td> </tr> </table>				DE102004048116	B4	20111208	[DE102004048116]	AT500428	B1	20110815	[AT-500428]	CN101890728	A	20101124	[CN101890728]	HK1073625	A1	20101119	[HK1073625]	FR2891179	B1	20100730	[FR2891179]	CH700252	B1	20100730	[CH-700252]	CN1628940	B	20100809	[CN1628940B]	FR2861007	B1	20090522	[FR2861007]	TW301790	B	20081011	[TW-301790]	GB2407056	B	20070912	[GB2407056]	AT500097	B9	20070815	[AT-500097]	AT500097	B1	20070715	[AT-500097]	FR2891179	A1	20070330	[FR2891179]	US7146567	B2	20051212	[US7146567]	AT500428	A1	20051215	[AT-500428]	AT500097	A1	20051015	[AT-500097]	TW200529993	A	20050916	[TW200529993]	CN1628940	A	20050622	[CN1628940]	DE102004048116	A1	20050512	[DE102004048116]	FR2861007	A1	20050422	[FR2861007]	US2005081302	A1	20050421	[US2005081302]	KR20050037399	A	20050421	[KR20050037399]	GB2407056	A	20050420	[GB2407056]	GB0422725	D0	20041117	[GB200422725]
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Abstract:
(US20050081302)
The invention specifies a pocket tool, particularly a pocket knife (1) or plate-like tool card, comprising a housing (2) with at least one receiving area (10), and at least two functional components (11) movable from a storage position within the receiving area (10), into a working position outside of the receiving area (10). The first functional component (11) is designed as a tool, particularly a pair of scissors (16) or knife (1). The second functional component (11) has a support casing (25) and is equipped with a recordable and readable, nonvolatile memory, as well as with an interface (24). A releasable locking device and a longitudinal guide or pivot bearing are arranged between the support casing (25) of the second functional component (11) and the housing (2).



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- Agenda

- Revisão de fundamentos sobre patentes e sua aplicação prática em negócios
- Uso estratégico de patentes e informações patentárias
- Ferramentas e técnicas de busca e análise de informações patentárias
- Fontes de informações, sistemas de busca e análise comerciais e gratuitos
- Oficina prática

Oficina Prática

- Oficina 1: Aplicando conceitos sobre busca, geração de relatórios e exportação de dados (Questel Orbit)
- Oficina 2: Aplicando conceitos sobre análise estatística e semântica de patentes (Questel Orbit)
- Oficina 3: Navegação em bases gratuitas
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- Oficina 4: Orientação dos participantes em casos específicos de seu interesse