Oficina 2A

Faça uma análise preliminar do portfólio de patentes da Petrobras, em relação ao número de novas famílias de patentes por ano de primeira publicação.







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Searches	# 🖂 🏭 Title	Original or current assignee	Publ. number	Pr. Date	
General search	1. 📃 simulador de operação de guindastes	PETROLEO BRASILEIRO	BRPI0914277	2009-12-11	1
Number search	(BR200914277) SIMULADOR DE OPERAÇÃO DE GUINDASTES. A presente invenção tem como objetivo, um equida, a para treinamento de professionais destinados a poe	rar màquinas. Mais especificamente, para o treinamen	to de operadores	image unavailable, check for mosaic	
Citation search	de guindaste "offshore" por meio de simulação. Este objetivo é alcançado por meio de um equipamento que preende três estações (100, 200, 300) sendo um para o operador em treinamento e uma terceira estação (300) destinada à figura de um auxiliar de movimenta, cargas A primeira estação (100) é o correor as estavalente de Nico de una terceira estação (100) destinada à figura de um auxiliar de movimenta, cargas A primeira estação (100) é o correor as estavalente de Nico de una terceira estação (100) é o correor as estavalente de Nico de una terceira estação (100) é o correor as estavalente de Nico de Sector as estação (100) é o correor as estavalente de Nico de Sector as estavalente de de Sector as estavalente de Nico de Nico de Sector as estavalente de Nico de Nico de Sector as estavalente de Nico de Sector as estavalente de Nico de Nico de Sector as estavalente de Nico de Sector as estavalente de Nico de Nico de Sector as estavalente de Nico de Nico de Sector as estavalente de Nico de Sector as estavalente de Nico de Sector as estavalente de Nico de Sector as e	a primeira estação (100) para um instrutor, uma segun ro do equipamento de onde podem ser gerados coman	da estação (200) dos, por exemplo,		
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Search history		PETROLEO DIVISILEIRO	141002/01/01/95	1991-00-20	
Search results	The invention relates to an improved iliquid/gas helical separator whose operating principle is based on a combination of cent gravitational forces separator (I), formed basically by an expansion chamber; a secondary separator (III), formed basically by a helix (14a) for directing the separator (III).	 Generally speaking, the separator consists of a print (i), which consists of a reservoir or gravitational-separation 	ation TT	SE.	
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	(JP2012509952 - Machine Translation) It is due to the catalytic cracking of the saturated hydrocarbons feed which possesses the size of the molecule which from 4 is the range of 6 carbon atoms, light this method, sodium content is small, is decorated by the nickel, as a result, the product which is collected is light olefin rich, as state of the oxide of 20% rail catalyst, and the 400.deg.C and the 650.deg.C which possess the weight density of the nickel which you display, and the operating condition which includes the weight of the zeolite in the catalyst, as for ratio of ethylene/propylene, from 0.25 there are 2.00 ranges.	ge making use of the temperature between the ZSM-5 feed partial pressure between 0.1 and 1.0MPa from 0	Type zeolite type 196 vis-a-vis the	Image unavailable, check for mosaic	
	4. CRACKING CATALYST COMPOSITION AND A FLUID CATALYTIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENP/	2003 2003-08-21	
	(IN2003CN01303) The present invention relates to a cracking catalyst composition comprising a physical mixture of 10-90 weight % of a cracking catalyst A and 90-100 weight % of containing cracking catalyst, and catalyst B is a catalyst having a higher average pore volume in the pore diameter range of 20-200 A than catalyst A in the same p These compositions can suitably used for the fluid catalytic cracking of hydrocarbon feeds with high metal concentrations.	f a cracking catalyst B, whereby catalyst A is a zeolite- ore diameter range and not containing M41 S material			
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	 5. a catalisadores de cromo e niquel para reações de oligomerização e processo para a obtenção de alfa-olefinas usando tais catalisado 	PETROLEO BRASILEIRO; UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL	BRPI1005977	2010-07-05	
	(BR201005977) CATALISADORES DE CROMO E NIQUEL PARA REAÇÕES DE OLIGOMERIZAÇÃO E PROCESSO PARA A OBTENÇÃO DE ALFA-OLEFINAS USANDO precursores catalíticos e ao uso dos ditos precursores catalíticos em reações de oligomerização de etileno para a produção seletiva de alta-olefinas. Mais espec que contêm ligantes polidentados, os quais compreendem compostos à base de metal de transição dos grupos 6 e 10, em particular os metals cromo (III) e nigr catalítica e uma alta seletividade para a produção de alta-olefinas.	D TAIS CATALISADORES. A presente invenção referi ificamente, refere-se à preparação e uso de composito uel (II). Ditos precursores catalíficos apresentam uma	e-se à sintese de s de coordenação elevada atividade	image unavailable, check for mosaic	
	6. 🔲 processo para tratamento de águas contaminadas produzidas na indústria de petróleo	PETROLEO BRASILEIRO	BRPI1002937	2010-08-06	
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Number search	(BR200914277) SIMULADOR DE OPERAÇÃO DE GUINDASTES. A presente invenção tem como objetivo, um equipamento para treinamento o	onais destinados a operar máquinas. Mais especificamente, para o treinamento o	image unavailable, E de operadores check for mosaic
Citation search	de guindaste "offshore" por meio de simulação. Este objetivo é alcançado por meio de um equipamento que compreende três e para o operador em treinamento e uma terceira estação (300) destinada à figura de um auxiliar de movimentação de cargas, para mutação de tieo de unidaste de cargas, de latitação de cilmas a localida de intervaluatoras expendencias um	(00, 200, 300) sendo uma primeira estação (100) para um instrutor, uma segunda estação (100) é o cérebro do equipamento de onde podem ser gerados comandos hes unclueira elitada:	estação (200) a, por exemplo,
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Search history	(IN1998CH01802)		okea.
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	(JP2012509952 - Machine Translation) It is due to the catalytic cracking of the saturated hydrocarbons feed which possesses the size of the molecule which from 4 is the range of this method, sodium content is small, is decorated by the nickel, as a result, the product which is collected is light olefin rich, as state catalyst, and the 400 deg. C and the 650 deg. C which possess the weight density of the nickel which you display, and the operating con weight of the zeolite in the catalyst, as for ratio of ethylene/propylene, from 0.25 there are 2.00 ranges.	16 carbon atoms, light olefin, method for largest conversion of ethylene is stated de of the oxide of 20% range making use of the temperature between the ZSM-5 by oftion which includes the feed partial pressure between 0.1 and 1.0MPa from 0.19	Image unavailable, sirably. As for check for mosaic pe zeolite type 6 vls-a-vls the
	4. V CRACKING CATALYST COMPOSITION AND A FLUID CATALYTIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENP/2003 2003-08-21
	(IN2003CN01303) The present Invention relates to a cracking catalyst composition comprising a physical mixture of 10-90 weight % of a cracking catalyst. Containing cracking catalyst, and catalyst B is a catalyst having a higher average pore volume in the pore diameter range of 20-200 A than These compositions can suitably used for the fluid catalytic cracking of hydrocarbon feeds with high metal concentrations.	A and 90-100 weight % of a cracking catalyst B, whereby catalyst A is a zeolite- i catalyst A in the same pore diameter range and not containing M41 S material.	Here's
	5. Catalisadores de cromo e niquel para reações de oligomerização e processo para a obtenção de alfa-olefinar (BR201005977) CATALISADORES DE CROMO E NIQUEL PARA REAÇÕES DE OLIGOMERIZAÇÃO E PROCESSO PARA A OBTENÇÃO DE ALF precursores catalítose e ao uso dos ditos precursores catalíticos em reações de oligomerização de etileno para a produção seletiva de a que contém ligantes polidentados, os quais compreendem compostos à base de metal de transição dos grupos 6 e 10, em particular os catalítica e uma alta seletividade para a produção e alfa-olefinas.	A-OLEFINAS USANDO TAIS CATALISADORES. A presente invenção refere-si afa-olefinas. Mais especificamente, refere-se à preparação e uso de compositos de metals cromo (III) e niquel (II). Ditos precursores catalíticos apresentam uma ele	BRPI1005977 2010-07-05 Image unavailable, check for mosaic e coordenação evada atMidade
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Number search	(BR200914277) SIMULADOR DE OPERAÇÃO DE GUINDASTES. A presente invenção tem como objetivo, um equipamento para treinamento de profissionais destinados a operar	mâculnas. Mais especificamente, para o treinamen	to de operadores	image unavailable, check for mosaic	Ξ
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Search history	2. V IMPROVED HELICAL SEPARATOR	PETROLEO BRASILEIRO	IN1802/CHE/19	98 1997-08-26	
Search results	(IN1999CH01802) The Invention relates to an improved liquid/gas helical separator whose operating principle is based on a combination of centrifugal and gravitational forces. G	senerally speaking, the separator consists of a prin	nary	ANK:	
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	It is due to the catalytic cracking of the saturated hydrocarbo bieft this method, sodium content is small, is decorated by the nickel, as a result, the product which is collected is light olefin rich, as state of the oxide of 20% range	n, method for largest conversion of ethylene is stated making use of the temperature between the ZSM-5	desirably. As for type zeolite type	check for mosaic	
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	4. V CRACKING CATALYST COMPOSITION AND A FLUID CATALYTIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENP	9/2003 2003-08-21	
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	The present mention relates to a cracking cataryst composition comprising a private minute of ross weight is to a cracking cataryst. A and so-roo weight is to a containing cracking cataryst, and cataryst B is a cataryst having a higher average pore volume in the pore diameter range of 20-200 A than cataryst A in the same pore These operativities are utable used for the fluid cataryst actaryst and provide and the same pore these operativities.	diameter range and not containing M41 S material.			
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	🗄 5. 📝 catalisadores de cromo e niquel para reações de oligomerização e processo para a obtenção de alfa-olefinas usando tais catalisadore	PETROLEO BRASILEIRO; UNIVERSIDADE FEDERAL	BRPI1005977	2010-07-05	
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	CATALISADORES DE CROMO E NIQUEL PARA REAGÃES DE OLIGOMERIZAÇÃO E PROCESSO PARA A OBTENÇÃO DE ALFA-OLEFINAS USANDO T precursores catalíticos e ao uso dos ditos precursores catalíticos em reações de oligomerização de etileno para a produção seletiva de alta-olefinas. Mais específic	AIS CATALISADORES. A presente invenção refere samente, refere-se à preparação e uso de compostor	e-se à sintese de s de coordenação	check for mosaic	
	que contém ligantes polidentados, os quais compreendem compostos à base de metal de transição dos grupos 6 e 10, em particular os metals cromo (III) e níquel catalítica e uma alta seletividade para a produção de alta-olefinas.	(II). Ditos precursores catal ticos apresentam uma	elevada atividade		
	6. 🗹 processo para tratamento de águas contaminadas produzidas na indústria de petróleo	PETROLEO BRASILEIRO	BRPI1002937	2010-08-06	
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	4. V CRACKING CATALYST COMPOSITION AND A FLUID CATALYTIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENP/20	003 2003-08-21
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	The present invention relates to a cracking catalyst composition comprising a physical mixture of 10-90 weight % of a cracking catalyst A and 90-100 zeolite-containing cracking catalyst, and catalyst B is a catalyst having a higher average pore volume in the pore diameter range of 20-200 A than catalyst	velght % of a cracking catalyst B, whereby catalyst A is a t A in the same pore diameter range and not containing M41		
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	CATALISADORES DE CROMO E NIQUEL PARA REAÇÕES DE OLIGOMERIZAÇÃO E PROCESSO PARA A OBTENÇÃO DE ALFA-OLEFINAS US, precursores catalíticos e ao uso dos ditos precursores catalíticos em reações de oligomerização de etileno para a produção seletiva de alta-olefin coordenação que contem ligantes policientados, os quais compreendem compositos à base de metal de transição dos grupos 6 e 10, em particular os m elevada atividade catalítica e uma alta seletividade para a produção de alta-olefinas.	ANDO TAIS CATALISADORES. A presente invenção refere- tas. Mais especificamente, refere-se à preparação e uso de letais cromo (III) e níquel (II). Ditos precursores catalíticos a	-se à sintese de a compostos de apresentam uma	check for mosaic
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((PETROBRAS OR (PETROLEO W BRASILEIRO))/PA/OWR) Distribution by date (Publication date)

Earlier publication date



Enviar imagem para Dispositivo Bluetooth...

Propriedades



Oficina 2B

Faça um rápido mapeamento da evolução geográfica e temporal das famílias de patentes da Petrobras.



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INTELLİXİR

Oficina 2C

Identifique as classes internacionais mais frequentes no portfólio de patentes da Petrobras. Em seguida, verifique a evolução temporal de tais classes.



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Documents Assignees Inventors Agent	Technologies D	ata	crossing Mapping (beta)	Graphic size: 1000px 🔻 🖉	
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C106 POLYMERISATION;RECOVERY OF HYDROCARBON HYDROCARBONS;REFORMING OF NAPHTHA;MIN	OF LIQUID HYDR N OILS FROM OIL IERAL WAXES;	0C	ARBON MIXTURES, e.g. BY HALE, OIL-SAND, OR GAS	DESTRUCTIVE HYDROGENATION, OLIGOMERISATION, ES;REFINING MIXTURES MAINLY CONSISTING OF	202
B01J CHEMICAL OR PHYSICAL PROCESSES, e.g. CATA	LYSIS, COLLOID	CH	EMISTRY; THEIR RELEVAN	IT APPARATUS;	178
B63B SHIPS OR OTHER WATERBORNE VESSELS; EQUIP	PMENT FOR SHIPP	PIN	G;		106
F16L PIPES; JOINTS OR FITTINGS FOR PIPES; SUPPOR	TS FOR PIPES, CA	ABL	ES OR PROTECTIVE TUBI	NG;MEANS FOR THERMAL INSULATION IN GENERAL;	96
G01N INVESTIGATING OR ANALYSING MATERIALS BY	DETERMINING T	HE	IR CHEMICAL OR PHYSICA	AL PROPERTIES;	81
B01D SEPARATION;					77
C07C ACYCLIC OR CARBOCYCLIC COMPOUNDS;					58
C09K MATERIALS FOR APPLICATIONS NOT OTHERWIS	5E PROVIDED FOR	R;A	PPLICATIONS OF MATER	ALS NOT OTHERWISE PROVIDED FOR;	48
B08B CLEANING IN GENERAL; PREVENTION OF FOULI	NG IN GENERAL;				40
C01B NON-METALLIC ELEMENTS; COMPOUNDS THERE	:OF;				40
C10L FUELS NOT OTHERWISE PROVIDED FOR;NATURA GAS;ADDING MATERIALS TO FUELS OR FIRES TO	AL GAS;SYNTHET D REDUCE SMOKE		NATURAL GAS OBTAINED R UNDESIRABLE DEPOSIT	BY PROCESSES NOT COVERED BY SUBCLASSES , ;LIQUEFIED PETROLEUM S OR TO FACILITATE SOOT REMOVAL;FIRE-LIGHTERS;	40
E02B HYDRAULIC ENGINEERING;					34
B65D CONTAINERS FOR STORAGE OR TRANSPORT OF HOPPERS, FORWARDING CONTAINERS;ACCESS	ARTICLES OR MA DRIES, CLOSURES	АТЕ 5, С	RIALS, e.g. BAGS, BARREL R FITTINGS THEREFOR; P	S, BOTTLES, BOXES, CANS, CARTONS, CRATES, DRUMS, JARS, TANKS, ACKAGING ELEMENTS;PACKAGES;	32
C08F MACROMOLECULAR COMPOUNDS OBTAINED BY	REACTIONS ON	LY I	INVOLVING CARBON-TO-	CARBON UNSATURATED BONDS;	31
G01F MEASURING VOLUME, VOLUME FLOW, MASS FLO	W, OR LIQUID LE	VE	L;METERING BY VOLUME;		29
C10B DESTRUCTIVE DISTILLATION OF CARBONACEO	US MATERIALS F	OR	PRODUCTION OF GAS, CO	DKE, TAR, OR SIMILAR MATERIALS;	27
C02F TREATMENT OF WATER, WASTE WATER, SEWAGE	, OR SLUDGE;				26
B04C APPARATUS USING FREE VORTEX FLOW, e.g. CYC	CLONES;				25
E02D FOUNDATIONS; EXCAVATIONS; EMBANKMENTS;	UNDERGROUND C	DR I	UNDERWATER STRUCTURE	5;	24
F16K VALVES;TAPS;COCKS;ACTUATING-FLOATS;DEV	/ICES FOR VENTI	ING	OR AERATING;		20
C08L COMPOSITIONS OF MACROMOLECULAR COMPO	OUNDS;				19
F04B POSITIVE-DISPLACEMENT MACHINES FOR LIQU	JIDS;PUMPS;				19
G01V GEOPHYSICS; GRAVITATIONAL MEASUREMENTS	5; DETECTING MAS	SSE	ES OR OBJECTS;TAGS;		17
F17D PIPE-LINE SYSTEMS; PIPE-LINES;					16
B65G TRANSPORT OR STORAGE DEVICES, e.g. CONVE	VERS FOR LOADI	NG	OR TIPPING;SHOP CONV	EYER SYSTEMS; PNEUMATIC TUBE CONVEYERS;	15
C12P FERMENTATION OR ENZYME-USING PROCESSES RACEMIC MIXTURE;	TO SYNTHESISE	A	DESIRED CHEMICAL COM	POUND OR COMPOSITION OR TO SEPARATE OPTICAL ISOMERS FROM A	15
G02B OPTICAL ELEMENTS, SYSTEMS, OR APPARATUS;	;				14
G01B MEASURING LENGTH, THICKNESS, OR SIMILAR I	LINEAR DIMENSIO	ON	5;MEASURING ANGLES;ME	EASURING AREAS; MEASURING IRREGULARITIES OF SURFACES OR	13
B01F MIXING, e.g. DISSOLVING, EMULSIFYING, DISPE	RSING;				12
C01F COMPOUNDS OF THE METALS BERYLLIUM, MAG	NESIUM, ALUMINI	IUN	I, CALCIUM, STRONTIUM,	BARIUM, RADIUM, THORIUM, OR OF THE RARE-EARTH METALS;	11
C01G COMPOUNDS CONTAINING METALS NOT COVER	RED BY SUBCLASS	5ES	OR;		11
C11C FATTY ACIDS FROM FATS, OILS OR WAXES; CANI	DLES;FATS, OILS	OR	FATTY ACIDS BY CHEMIC	CAL MODIFICATION OF FATS, OILS, OR FATTY ACIDS OBTAINED THEREFROM;	11
C12N MICRO-ORGANISMS OR ENZYMES;COMPOSITIO	NS THEREOF; PRO	OP/	AGATING, PRESERVING, O	R MAINTAINING MICRO-ORGANISMS; MUTATION OR GENETIC	11
F16J PISTONS;CYLINDERS;PRESSURE VESSELS IN GE	NERAL; SEALINGS	5;			11
F17C VESSELS FOR CONTAINING OR STORING COMP	RESSED, LIQUEFI	ED	, OR SOLIDIFIED GASES; F	IXED-CAPACITY GAS-HOLDERS; FILLING VESSELS WITH, OR DISCHARGING	11
F27B FURNACES, KILNS, OVENS, OR RETORTS IN GEN	ERAL; OPEN SINT	ERI	ING OR LIKE APPARATUS:		11
C048 LIME; MAGNESIA; SLAG; CEMENTS; COMPOSITIO	NS THEREOF, e.g.	MC	RTARS, CONCRETE OR LI	KE BUILDING MATERIALS;ARTIFICIAL	10
C08K USE OF INORGANIC OR NON-MACROMOLECULA	R ORGANIC SUBS	5TA	NCES AS COMPOUNDING	INGREDIENTS:	10
CION INDEXING SOURCE ASSOCIATED WITH SUBCLAY		INIC	TO MICRO, ORCANISMS		10

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Oficina 2D

Identifique os inventores presentes com maior número de famílias de patentes.



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Orbit				INTELLĪXÌ	<u>R</u> _1
Documents Assignees	Inventors	Agent	Technologies Data crossing Mapping (ng (beta) Graphic size: 1000px 🔻 💈	
	Top invent	ors	((PETROBRAS OR (PETROLE	FO W BRASILEIROWPA/OWR)	Ē.
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×	Grouping				_
Inventor				Documents count	
HUZIWARA WILSON KENZO		33 P	ETROLEO BRASIL : 33		_ *
		В	ENSON JOHN EVERETT : 3		-
		B			-11
KHALTI, CARLOS NAGIB		27 D	ETROLEO BRASIL + 27		-1
Rinkere Gritego Hindro		-/ F	ENSON JOHN EVERETT : 2		
		В	IANCA MACHADO SILVA FERREI : 1		
			NDUSTRY MAQUINA D ANDREA : 1		
		N	ICHO TECNOLOGIA : 1		
		P	ETROLEO BRAZILEJRO : 1		
		S	IEMENS: 1		
		U	IBM GEOCHE SERVICOS TECNICOS L :	L:	
		1			_
			IBM UNIAO BRASILEIRA DE MINERA :		
CERQUEIRA HENRIQUE SOARES		23 D	ETROLEO BRASIL + 23		
oengoena mennique boanes		A	KZO NOBEL : 1		-
		A	LBEMARLE : 1		-
		A	LBERMALE NETHERLANDS : 1		
		В	ENSON JOHN EVERETT : 1		
BAPTISTA CLAUDIA MARIA DE LACE		22 P	ETROLEO BRASIL : 22		
		В	ENSON JOHN EVERETT : 2		
		A	KZO NOBEL : 1		
FUSCO JOSE MOZART		22 P	ETROLEO BRASIL : 22		
WITTER ALDYR		22 P	ETROLEO BRASIL : 22		_
		P	PETROLED BRASILEIRO : 1		_
		10.0			- 1
CAPELONCH RICARDO WAGNER		15 P	ENSON JOHN EVERETT + 1		- 1
FRETRE PAULO SERGIO		19 0			- 1
TREIRE PROCO SERGIO		B	ENSON JOHN EVERETT : 1		-
DUBOIS AURELIO MEDINA		18 P	ETROLEO BRASIL : 18		
		В	ENSON JOHN EVERETT : 1		-
SILVA CLAUDIO BARREIROS DA COS		18 P	ETROLEO BRASIL : 18		
LAU LAM YIU		17 P	ETROLEO BRASIL : 17		
		A	KZO NOBEL : 2		
		B	ENSON JOHN EVERETT : 2		
		A	LBEMARLE : 1		
		В	ESON JOHN EVERETT : 1		4
		D	E ALMEIDA MARLON BRANDO		
		1			
		1	SINGSEINA DE SOOZA ALINE BARBO :		
		U	INIV VALENCIA : 1		
		U	INIVERSITY RIO DE JANEIRO : 1		
GUERRA EDUARDO CARDOSO DE MEL	.0	16 P	ETROLEO BRASIL : 16		
PINHO ANDREA DE REZENDE		16 P	ETROLEO BRASIL : 16		

Oficina 2E

Identifique as empresas com maior número de cotitularidades de patentes com a Petrobras.









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Oficina 2F

Refine o mapeamento de titulares, agrupando nomes de empresas.



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Orbit					<u>NTELL'IXIR</u>
Documents	Assignees Inventors Age	nt Technologies Data crossing Mapping (beta) G	raphic size: 1000px 🔻 🕻	2	
	Top assignees	((PETROBRAS OR (PETROLEO W BRAS	ILEIRO))/PA/OWR)		
	Evolution	Assignees grouping			
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	Assignee/NPN Collaboration				1
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	Assignee citations timeline				12
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BRASILEIRA PETROLEU	M			ordem alfabética	
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		Action: [Group] [Ungroup] selecte	ed assignees		-
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COMPANHIA BRASILEI	RA DE METALU				1
COMPANHIA PETROQU	IMICA DO SUL				1
COMPOSITE TECNOLOG	SIA INDUSTRY E COM				1
CONFORJA EQUIPETRO	L				2
CONNECTOR					1
CONTORJA EQUIPETRO)L				2
COOPER INDUSTRIES					1
COPENE PETROQUIMIC	A DO NORDEST				1
DE ALMEIDA MARLON B	RANDO BEZER				1
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DEN NORSKE STATS OL	JESELSKAP				1
DEN NOSHKE STATS OL	ESEL SKAP				1
DIP OIL TEKNOLODZHI	INKORPOREJTED				1
DORIS ENGINEERING					1

NORSKE STATS OLJESELSKAP		1	
NORTHERN TECHNOLOGIES INTERNATIONAL		1	
OXITENO		1	
PADETEC		1	
PAUL MUENROE ENGINEERING		1	
PAUL MUNROE ENGINEERING		1	
PECOM ENERGIA		1	
PETRA LEO BRASILEIRO		2	
✓ PETRO BRAS		1	
✓ PETROBAS		1	
Action: [Group]	[Ungroup] selected assignees		
PETROBAS & PONTIFICIA UNIVER		2	
✓ PETROBAS EN		1	
✓ PETROBRAS		1	
✓ PETROBRAS BRASILEIRO		1	
PETROBRAS DISTRIBUIDORA		7	
PETROBRAS DISTRIBUIDORA S A		1	
PETROBRAS EN		2	
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PETROBRAS FERTILIZANTES	Após selecionar os nomes a	5	
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PETROBRAS QUIMICA	"Group"	1	
PETROBRAS TRANSPORTE	Group	2	
PETROBRAS TRANSPORTES S		1	
PETROLED BRASILEIRO		2	
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PETROLEO BRAZILEJRO		7	
✓ PETROLEO BRAZILEJRO S A PETROBRAS		3	
PETROLEUM BRASILEIRO		1	
PETROLEUM BRAZIL		1	
PETROLEUM GEO SERVICES		1	
Action: [Group]	[Ungroup] selected assignees		
PETROLEUM GEO SERVICES A		1	
PETROLLLEO BRASILEIRO		1	
PETROOLEO BRASILEIRO		1	
PETRYLEO BRASILEIRO		2	
PETTOLEO BRASILEIRO		1	
POLIALDEN PETROQUIMICA		5	
POLIBRASIL		1	
PONTIFICIA UNIVERSIDADE CATOLI		9	
PONTIFICIA UNIVERSIDADE CATOLICA DO RIO DE JANEIRO		2	
PORIARUDEN POTOROKUIMIKA		1	

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PETROLEUM GEO SERVICES		1
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PETROOLEO BRASILEIRO		1
PETRYLEO BRASILEIRO		2
PETTOLEO BRASILEIRO		1
POLIALDEN PETROQUIMICA		5
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PONTIFICIA UNIVERSIDADE CATOLI		9
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INT INSTITUTO NACIONAL DE TECNOLOGI	IA		1
JUNQUEIRA DE SOUZA ALINE BARBO			1
[+] KOBE STEEL			1
LUIZ CARLOS ROCHA BEZERRA			1
LULLO ALBERTO DI			1
MULCHING SIX INDUSTRY E C			1
RASIL CERAM VELAS IGNICAO			1
NICHO TECNOLOGIA			1
NORSK HYDRO			1
NORSK KHJUDRO A S			1
NORSKE STATS OLJESELSKAP			1
NORTHERN TECHNOLOGIES INTERNATION	AL		1
OXITENO			1
PADETEC			1
PAUL MUENROE ENGINEERING			1
PAUL MUNROE ENGINEERING			1
PECOM ENERGIA			1
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PETROLEUM GEO SERVICES			1
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POLIBRASIL			1
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E [+] SHELL	momento.		2
[+] SIEMENS			1
SOCIEDAD ANONIMA BURAJIREIRO PETOR	OREO PETROBRAS		1
STATOIL			1
STOLT COMEX SEAWAY			1
SURCO TECNOLOGIA INDUSTRIAL			1
SURCO TECNOLOGIA INDUSTRY			1

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NORSKE STATS OLJESELSKAP	PETROBRAS ENERGIA	
NORTHERN TECHNOLOGIES INTERNATIONAL	PETROBRAS ENERGIA S A	
OXITENO	PETROBRAS FERTILIZANTES	
PADETEC	V PETROBRAS MINERACAO S	
PAUL MUENROE ENGINEERING	V PETROBRAS OUIMICA	
PAUL MUNROE ENGINEERING	PETROBRAS TRANSPORTE	
PECOM ENERGIA	■ PETROBRAS TRANSPORTES S	
[+] PETROBRAS	PETROLED BRASILEIRO	
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POLIBRASIL	PETROLEO BRASILEIROS	
PONTIFICIA UNIVERSIDADE CATOLI	PETROLEO BRASILEIVO S A	-
PONTIFICIA UNIVERSIDADE CATOLICA DO RIO DE JANEIRO	✓ PETROLEO BRASILEJRO	
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Faça uma análise preliminar sobre empresas titulares de patentes, que mais citam patentes da Petrobras



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Searches	# 📝 🏭 Title	Original or current assignee	Publ. number	Pr. Date
General search	1. 🔽 simulador de operação de guindastes	PETROLEO BRASILEIRO	BRPI0914277	2009-12-11
Number search	(BR200914277) SIMULADOR DE OPERAçãO DE GUINDASTES. A presente invenção tem como objetivo, um equipamento para treinamento de profissionais destinados a op	perar máquinas. Mais especificamente, para	o treinamento de	Image unavailable, check for mosaic
Citation search	operadores de guindaste "offshore" por meio de simulação. Este objetivo é alcançado por meio de um equipamento que compreende tres estações (100, 200, 3 segunda estação (200) para o operador em treinamento e uma terceira estação (300) destinada à figura de um auxiliar de movimentação de cargas. A primeira d	00) sendo uma primeira estação (100) para (estação (100) é o cêrebro do equipamento de	onde podem ser	
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Search history	2. V IMPROVED HELICAL SEPARATOR (N1998CH01802)	PETROLEO BRASILEIRO	IN1802/CHE/19	/98 1997-08-26
Search results	The invention relates to an improved iliquidigas helical separator whose operating principle is based on a combination of centrifugal and gravitational forces. Gene separator (I), formed basically by a helix (14a) for directing the flow, a tertiary separator (rally speaking, the separator consists of a priv (III), which consists of a reservoir or gravitation	nary mal-	NE.
▲ ♀ Past Sessions	separation tank and of a transition region (II) between the primary (I) and secondary (III) separators, which consists of at least two variable-pitch helixes (14a, 14b), v angle of inclination of the constant-pitch helix of the secondary separator (III), with the function of providing a "gentier" flow of the liquid phase at the transition between	whose inclination varies from an angle of 900 to the first two separators (1, III).	othe ,	
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LASER POINTER SEL (12)	3. 🕼 (A) Contact amount solution of the hydrocarbon style in order to convert light olefin maximally [Machine Translation]	PETOROREO PETROBRAS	JP2012509952	2008-11-25
	(JP2012509952 - Machine Translation) It is due to the catalytic cracking of the saturated hydrocarbons feed which possesses the size of the molecule which from 4 is the range of 6 carbon atoms, light olef As for this method, sodium content is small, is decorated by the nickel, as a result, the product which is collected is light olefin rich, as state of the oxide of 20% range type catalyst, and the 400.deg.C and the 650.deg.C which possess the weight density of the nickel which you display, and the operating condition which includes the fee the weight of the zeolite in the catalyst, as for ratio of ethylene/propylene, from 0.25 there are 2.00 ranges.	fin, method for largest conversion of ethylene is e making use of the temperature between the Z ed partial pressure between 0.1 and 1.0MPa fro	s stated desirably. SM-5 type zeolite om 0.1% vis-a-vis	image unavailable, check for mosaic
	4. V CRACKING CATALYST COMPOSITION AND A FLUID CATALYTIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENR	9/2003 2003-08-21
	(IN2003CN01303) The present invention relates to a cracking catalyst composition comprising a physical mixture of 10-90 weight % of a cracking catalyst A and 90-100 weight % of zeolite-containing cracking catalyst, and catalyst B is a catalyst having a higher average pore volume in the pore diameter range of 20-200 A than catalyst A in the sam S material. These compositions can suitably used for the fluid catalytic cracking of hydrocarbon feeds with high metal concentrations.	f a cracking catalyst B, whereby catalyst A is a ne pore diameter range and not containing M41	New Y	
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	 5. V catalisadores de cromo e niquel para reações de oligomerização e processo para a obtenção de alfa-olefinas usando tais catalisadores 	PETROLEO BRASILEIRO; UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL	BRPI1005977	2010-07-05
	(BR201005977) CATALISADORES DE CROMO E NIQUEL PARA REAÇÕES DE OLIGOMERIZAÇÃO E PROCESSO PARA A OBTENÇÃO DE ALFA-OLEFINAS USANDO TAIS precursores catalitos e ao uso dos ditos precursores catalitos em reações de oligomerização de etileno para a produção seletiva de alta-olefinas. Mais es coordenação que contêm ligantes polidentados, os quais compreendem compostos à base de metal de transição dos grupos 6 e 10, em particular os metals cromo elevada atividade catalítica e uma aita seletividade para a produção de alta-olefinas.	CATALISADORES. A presente Invenção refer pecificamente, refere-se à preparação e uso (III) e níquel (II). Ditos precursores catalíticos	e-se à síntese de de compostos de apresentam uma	Image unavailable, check for mosaic
	6. I processo para tratamento de águas contaminadas produzidas na indústria de petróleo	PETROLEO BRASILEIRO	BRPI1002937	2010-08-06
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Searches	# 📝 🔮 Title Cited and citing Patents In category X	Original or current assignee	Publ. number Pr. Date
General search	1. V simulador de operação de guindastes V in category Y	PETROLEO BRASILEIRO	BRPI0914277 2009-12-11
Number search	(BR200914277) SIMULADOR DE OPERAção DE GUINDASTES. A presente invenção tem como objetivo, um equipamentor paramentor para	olona operar máquinas. Mais especificamente, para o	Image unavailable, treinamento de check for mosaic
Citation search	operadores de guindaste "offshore" por meio de simulação. Este objetivo é alcançado por meio de um equipamento que compreende três segunda estação (200) para o operador em treinamento e uma terceira estação (300) destinada à figura de um auxiliar de movimentação d	s esta de cargo do uma primeira estação (100) para un ção (100) é o cérebro do equipamento de c	n Instrutor, uma onde podem ser
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Search history	2. V IMPROVED HELICAL SEPARATOR	RASILEIRO	IN1802/CHE/1998 1997-08-26
Search results	(IN ISSOCIATION) The invention relates to an improved liquidigas helical separator whose operating principle is based on a combination of centrifugal senarator (II) formed basically by an expansion chamber: a secondary senarator (III) formed basically by a heliy (1/a) for direction	Para que o sistema busque	e famílias de
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	(JP2012509952 - Machine Translation) It is due to the catalytic cracking of the saturated hydrocarbons feed which possesses the size of the molecule which from 4 is the range of 6 / As for this method, sodium content is small, is decorated by the nickel, as a result, the product which is collected is light olefin rich, as state of type catalyst, and the 400.deg.C and the 650.deg.C which possess the weight density of the nickel which you display, and the operating condition the weight of the zeolite in the catalyst, as for ratio of ethylene/propylene, from 0.25 there are 2.00 ranges.	carbon atoms, light olefin, method for largest conversion of ethylene is a of the oxide of 20% range making use of the temperature between the ZSI on which includes the feed partial pressure between 0.1 and 1.0MPa from	Image unavailable, stated desirably. check for mosaic M-5 type zeolite n 0.1% vis-a-vis
	4. V CRACKING CATALYST COMPOSITION AND A FLUID CATALYTIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENP/2003 2003-08-21
	(IN2003CN01303) The present invention relates to a cracking catalyst composition comprising a physical mixture of 10-90 weight % of a cracking catalyst A a zeolite-containing cracking catalyst, and catalyst B is a catalyst having a higher average pore volume in the pore diameter range of 20-200 A th S material. These compositions can suitably used for the fluid catalytic cracking of hydrocarbon feeds with high metal concentrations.	and 90-100 weight % of a cracking catalyst B, whereby catalyst A is a han catalyst A in the same pore diameter range and not containing M41	
	Catalisadores de cromo e niquel para resções de oligomerização e processo para a obtenção de alfa-olefinas usa catalisadores (BR201005977) CATALISADORES DE CROMO E NIQUEL PARA REAÇÕES DE OLIGOMERIZAÇÃO E PROCESSO PARA A OBTENÇÃO DE ALFA-OLEFA precursores catalíticos e ao uso dos ditos precursores catalíticos em reações de oligomerização de etileno para a produção seletiva de coordenação que contem ligantes polidentados, os quais compresentem compostos à base de metal de transição dos grupos 6 e 10, em partir elevada atividade catalítica e uma aita seletividade para a produção de alta-olefinas.	ando tais PETROLEO BRASILEIRO; UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL FINAS USANDO TAIS CATALISADORES. A presente invenção refere- e ata-olefinas. Mais especificamente, refere-se à preparação e uso de loular os metais cromo (III) e níquel (II). Ditos precursores catalíticos a	BRPI1005977 2010-07-05 -se à sintese de e compostos de apresentam uma
	processo para tratamento de aguas contaminadas produzidas na industria de petroleo (RE201002937)	PETROLEO BRASILEIRO	Imaria unavallable
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Searches	1. MARINE SUBSEA ASSEMBLIES	BP NORTH AMERICA	WO2012051148	2010-10-12	-
General search	(WO201251148) A lower riser assembly connects a riser to a seabed mooring and to a subsea hydrocarbon fluid source. The assem	biv includes sufficient intake ports to accommodate flow of hydrocarbons from the hydrocarbon fr	uld Sullim th		ш
Number search	source, as well as optional flow assurance fluid. The upper end of the member has a profile suitable for fluidly conne seabed mooring. An upper riser assembly connects the riser to a near-surface subsea buoyancy device and to a surf	cting to the riser. The lower end of the member includes a connector suitable for connecting to ace structure. The assembly includes sufficient outtake ports to accommodate flow of hydrocarbo	the ons		Γ
Citation search	from the riser through a subsea flexible conduit to the surface structure. The upper end of the member includes a profile suitable for fluidly connecting to the riser.	connector for connecting to a subsea buoyancy device. The lower end of the member comprises	••	3-	
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Previous Analysis	2 MULTISTAGE CRACKING AND STRIPPING PROCE	esuilados. Para relornar ao	WO2012049416	2010-10-15	
4 🎡 My Searches	(WO201249416) The present invention relates to a multistage cracking and stripping pro	r maximizing the	Statignetter Brands-septi 20	% % % non-one . lower-the-pety point . . 1.00 . .	
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			john ((M) 19	
	3. AARINE SUBSEA FREE-STANDING RISER SYSTEMS AND METHODS	BP; BP NORTH AMERICA	WO2012051149	2010-10-12	
	(WO201251149) A free-standing riser system connects a subsea source to a surface structure. The system includes a concentric fin	ee-standing riser comprising inner and outer risers defining an annulus there between. A lower	· Garan	· · · · · · · · · · · · · · · · · · ·	
	end of the riser is fluidly coupled to the subsea source through a lower riser assembly (LRA) and one or more su surface structure through an upper riser assembly (URA) and one or more upper flexible conduits, the riser also me	osea flexible conduits. An upper end of the riser is connected to a buoyancy assembly and the chanically connected to a buoyancy assembly that applies upward tension to the riser. The riser			
	may be insulated for now assurance, enter by a now assurance huid in the annulus, insulation of the outside of the out system. The surface structure may be dynamically positioned.	er riser, or boon. The system may include a nyorate inhibition system and/or a subsea dispersant	Selse .		
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	4. 🔲 Downhole measurement tool circuit and method to balance fault current in a protective	Inductor AUTOMATION SOLUTIONS	US8149552	2008-06-30	
	(US8149552) A downhole measurement tool circuit and method to balance fault current in a protective inductor, which keeps an a	iternating current balanced in a protective choke during a phase-to-ground fault condition in a	· 00-		
	power cable or a downhole motor of an electrical submersible pump. The downhole measurement tool circuit and m ground fault condition, but do not cause a conduction of negative polarity voltage during use of a negative polarity me	athod cause a conducting of current during the negative polarity voltage portions of a phase-to- gger.	- Star		
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	5. (NO-331792)	DEEP SEA ANCHORS	NO331792	2010-08-10	
	Et gravitasjonsinstallert anker og fremgangsmate for installasjon av ankeret (NO-331792)			image unavailable.	
	The invention is a gravity installed anchor (1) comprising a metal plate (22) provided with one or more connection por preferably comprises an elongated shank (0) connected to the plate (22) and arranged for being directed along the	ints (8) for extending an anchor line (17) from a front face (221) of the plate (22). The gravity insi plate during the gravity installation process, the elongated shank (0) provided with a nose portio	stalled anchor (1) In (5) with a nose	check for mosaic	-
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Number search	(BR200914277) SIMULADOR DE OPERAçãO DE GUINDASTES. A presente invenção tem como objetivo, um equipamento para treinamento de profissio	resultados clique em "	105 05 allable, allab
Citation search	operadores de guindaste "offshore" por meio de simulação. Este objetivo é alcançado por meio de um equipamento que compreende tres e segunda estação (200) para o operador em treinamento e uma terceira estação (300) destinada à figura de um auxiliar de movimentação de	resultados, clique em	Analyse
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Search history	2. V IMPROVED HELICAL SEPARATOR	PETROLEO BRASILEIRO	IN1802/CHE/1998 1997-08-26
Search results	The invention relates to an improved liquidigas helical separator whose operating principle is based on a combination of centrifugal and gravitativ secarator (f), formed basically by an excansion chamber: a secondary secarator (iii), formed basically by a helix (14a) for directing the flow; a tr	onal forces. Generally speaking, the separator consists of a prin ertiary separator (III), which consists of a reservoir or gravitatio	nal-
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	4. V CRACKING CATALYST COMPOSITION AND A FLUID CATALYTIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENP/2003 2003-08-21
	(IN2003CN01303) The present invention relates to a cracking catalyst composition comprising a physical mixture of 10-90 weight % of a cracking catalyst A and 90	0-100 weight % of a cracking catalyst B, whereby catalyst A is a	(1449) (1
	zeolite-containing cracking catalyst, and catalyst B is a catalyst having a higher average pore volume in the pore diameter range of 20-200 A than ca S material. These compositions can suitably used for the fluid catalytic cracking of hydrocarbon feeds with high metal concentrations.	stalyst A in the same pore diameter range and not containing M41	
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	(BR201005977) CATALISADORES DE CROMO E NIQUEL PARA REAÇÕES DE OLIGOMERIZAÇÃO E PROCESSO PARA A OBTENÇÃO DE ALFA-OLEFINAS precursores catalíticos e ao uso dos ditos precursores catalíticos em reações de oligomerização de etileno para a produção seletiva de alta- coordenação que contém ligantes polidentados, os quais compreendem compositos à base de metal de transição dos grupos 6 e 10, em particular elevada atividade catalítica e uma alta seletividade para a produção de alta-olefinas.	S USANDO TAIS CATALISADORES. A presente Invenção refer olefinas. Mais especificamente, refere-se à preparação e uso o os metalis cromo (III) e nRquel (II). Ditos precursores catalíticos	image unavailable, -se à sintese de le compostos de apresentam uma
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4 E Searches	# 💟 🏭 Title		Original or current assignee	Publ. number	Pr. Date
General search	1. 📝 simulador de operação de guindastes		PETROLEO BRASILEIRO	BRPI0914277	2009-12-11
Number search	(BR200914277) SIMULADOR DE ODERACIO DE CUMIDASTES, A procesto la posicio tem como	abiettes um coulonmente ence trainmente de profincionale doctionales a	anarar minulana. Mala aranalifanmasia ana a	i traina manta da	mage unavailable,
Number search	operadores de guindaste d'offshore" por melo de simulação. Este objetivo é alcançar segunda estação (200) para o operador em trainamento a uma terrelar estação (200	lo por melo de um equipamento que compreende três estações (100,200) () destinada à forura de um avalitar de movimentação de carras é primeira	300) sendo uma primeira estação (100) para u a estação (100) é o cárebro do equipamento de	m Instrutor, uma	crieck for mosaic
A Of the Consistent	gerados comandos, por exemplo, para mudança de tipo de guindaste, de carga, de inst	alação, variação de clima e indução de irregularidades envolvendo uma ou m	ais destas variáveis citadas.	unce procent des	
- Sant Lines	2. V IMPROVED HELICAL SEPARATOR		PETROLEO BRASILEIRO	IN1802/CHE/1998	1997-08-26
Search history	(IN1998CH01802) The Invention relates to an Improved liquid/gas helical separator whose operating pril	nciple is based on a combination of centrifugal and gravitational forces. Ger	nerally speaking, the separator consists of a prin	nary	At .
Search results	separator (I), formed basically by an expansion chamber, a secondary separator (III), separation tank and of a transition region (III) between the primary (I) and secondary (II	format hasianik, but haik (d.ta) for disables the flow a testing secondar)	(III), which consists of a reservoir or gravitation whose inclination varies from an angle of 900 to	the T	ST:
• Sessions	angle of inclination of the constant-pitch helix of the secondary separator (iii), with the fu	🗖 O sistema pode exportar	n the first two separators (I, III).	+ 1	
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My Recent Lists		Current task - Preparing data	SOCIEDAD ANONIMA BURAJIREIRO	100010500050	0000 44 05
	a. y (A) contact amount solution of t	28%	PETOROREO PETROBRAS	JP2012009902	2000-11-25
	(JP2012509952 - Machine Translation) It is due to the catalytic cracking of the saturated hydroc	light of	efin, method for largest conversion of ethylene is	stated desirably.	mage unavailable, check for mosaic
	As for this method, sodium content is small, is decorated by the nickel, as a result, the j type catalyst, and the 400 deg.C and the 650 deg.C which possess the weight density o the weight of the zeolite in the catalyst, as for ratio of ethylene/propylene, from 0.25 there	product which is collected is light olefin rich, as state of the oxide of 20% ran (the nickel which you display, and the operating condition which includes the e are 2.00 ranges.	ge making use of the temperature between the 28 feed partial pressure between 0.1 and 1.0MPa fro	.M-5 type zeolite m 0.1% vis-a-vis	
	4. 🔽 CRACKING CATALYST COMPOSITION AND A FLUID CATALY	TIC CRACKING PROCESS	PETROLEO BRASILEIRO	IN1303/CHENP/200	03 2003-08-21
	(IN2003CN01303) The present invention relates to a cracking catalyst composition comprising a physica	al mixture of 10-90 weight % of a cracking catalyst A and 90-100 weight %	of a cracking catalyst B, whereby catalyst A is a	1944 V	
	zeolite-containing cracking catalyst, and catalyst B is a catalyst having a higher averag S material. These compositions can suitably used for the fluid catalytic cracking of hydri	e pore volume in the pore diameter range of 20-200 A than catalyst A in the sa scarbon feeds with high metal concentrations.	ame pore diameter range and not containing M41		
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				4100 - + 4.4 × 4.000	and a state of the
				PA PA	ier Mai
			PETROLEO		
	5. catalisadores de cromo e niquel para reações de oligomentaçã catalisadores	o e processo para a obtenção de alfa-oletinas Usando tais	BRASILEIRO; UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL	BRPI1005977	2010-07-05
	(BR201005977)			l.	mage unavallable,
	CA I ALISADORES DE CROMO E NIQUEL PARA REAGES DE OLIGOMERIZAÇão precursores catalíticos e ao uso dos ditos precursores catalíticos em reações de o coordenação que contêm ligantes polidentados, os quais compreendem compostos a l elevada atMidade catalítica e uma alta seletividade para a produção de alta-olefinas.	DE PROCESSO PARA A OBTENÇãO DE ALFA-OLEFINAS USANDO TAI ligomerização de etileno para a produção seletiva de alfa-olefinas. Mais e pase de metal de transição dos grupos 6 e 10, em particular os metals crom	s CATALISADORES. A presente inverção reter specificamente, refere-se à preparação e uso d o (III) e níquel (II). Ditos precursores catalíticos	e compostos de apresentam uma	check for mosaic
	6. 🗹 processo para tratamento de águas contaminadas produzidas	na Indústria de petróleo	PETROLEO BRASILEIRO	BRPI1002937	2010-08-06
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