

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6767	((E21B33/047, E21B33/02, E21B7/00).cpc. or (166/377,166/378, 166/75.11, 175/57).ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/11/20 11:18
L2	380	L1 and ((bore\$1 passage\$1) same conduct\$3 same (pipe tubular tube casing housing body))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/11/20 11:18
L3	5	"5103900".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/11/20 11:19
L7	132	166/85.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/11/20 11:48
S1	1700	(166/386,193,318).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/20 23:03
S2	497	S1 and ((plug packer) same ball\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/20 23:04
S3	254	(shkurti nesr piro).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/20 23:05
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S28	31	(stowe near calvin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/10/29 19:07
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S34	1	"7735549".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/02/01 13:59
S35	4	("20110061856", "20040020641", "7866397", "7637323").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2014/02/01 16:01
S36	2	"20110259610".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/03/07 15:25
S37	97	("20020117301" "20020162661" "20040140089" "20040211560" "20050061508" "20050279501" "20060118301" "20060191685" "20060196674" "20060283596" "20070029080" "20070039741" "20070187095" "20070251690" "20080035349" "20080217025" "20090044944" "20090044945" "20090056934" "20090084553" "20090194273" "20090260815" "20090301708" "20100126724" "20110114319" "20110187062" "2224538" "3090442" "3220481" "3220491" "3776258" "4114694" "4292988" "4429747" "4519451" "4520870" "4541484" "4653586" "4718494" "4729432" "4823882" "4828037" "4840229" "4862966" "4893678" "4915172" "4967841" "5036920" "5146992" "5325921" "5327960" "5332038" "5348092" "5366009" "5394938" "5396957" "5411090" "5425424" "5443117" "5499678" "5722490" "5730223" "5732775" "5960881" "6053248" "6065535" "6079496" "6155342" "6186236" "6216785" "6253861" "6382324" "6530574" "6533037" "6601646" "6832654" "6896049" "6923262" "6929066" "6938690" "7066264" "7066265" "7078370" "7096943" "7166560" "7331388" "7469744" "7503384" "7640988" "7673673" "7703510" "7819193" "7841411").PN. OR ("8297358").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/03/07 15:33
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S41	2	e21B33/1204	US-PGPUB; USPAT; USOCR	OR	OFF	2014/03/07 17:05
S42	13828	(E21B34/10, E21B2034/002, E21B43/26, E21B33/134, E21B33/1285).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/03/07 17:17
S43	557	S42 and ball near seat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/03/07 17:17
S44	172	S42 and ((ball near seat) same frac\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/03/07 17:18
S45	18816	(E21B34/10, E21B2034/002, E21B43/26, E21B33/134, E21B33/1285, E21B33/12, F16K1/14, F16K27/2045, F16K15/04, F16K15/048).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/03/07 17:25
S46	191	S45 and ((ball near seat) same frac\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/03/07 17:25
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S49	194	E21B33/1204.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/03/07 20:49
S50	20	S49 and ball near seat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/03/07 20:50
S51	476	E21B33/1204.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/03/07 20:50
S52	26	S51 and ball near seat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/03/07 20:50
S53	1	"20110259620"	US-PGPUB	OR	OFF	2014/07/24 23:42
S54	1	"20110259610"	US-PGPUB	OR	OFF	2014/07/24 23:42
S55	1	"20130025879".pn.	US-PGPUB	OR	OFF	2014/07/24 23:43
S56	6370	((E21B33/047, E21B33/02, E21B7/00).cpc. or (166/377,166/378, 166/75.11, 175/57).ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/07/24 23:45
S57	2746	S56 and (bore\$1 passage\$1 same conduct\$3 same (pipe tubular tube casing	US-PGPUB; USPAT;	OR	ON	2014/07/24 23:48

		housing body))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S59	6370	((E21B33/047, E21B33/02, E21B7/00).cpc. or (166/377,166/378, 166/75.11, 175/57).ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/07/25 00:07
S60	370	S59 and ((bore\$1 passage\$1) same conduct\$3 same (pipe tubular tube casing housing body))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/07/25 00:07
S61	73759	((ong nera wee) or (tang near yeong))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/07/25 02:56
S62	24	((ong near wee) or (tang near yeong))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/07/25 02:56
S63	7	("5240081" "5560435" "5810086" "6736212" "5655602" "6142235" "5103900" "20080271924").PN.	USPAT	OR	OFF	2014/07/25 03:02
S64	2	("20130025879", "20080271924").pn.	US-PGPUB	OR	OFF	2014/11/19 16:44

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	8	(first and second and circular and bore and seal and adapter and wellhead).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2014/11/20 11:24
L5	102	(first and second and circular and bore and seal and adapter).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2014/11/20 11:24

11/20/2014 12:05:27 PM

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