

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	406	(119/263 or 210/167.21 ).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/02/07 06:10
L2	1	(anode or cathode or electrode) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and l1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2014/02/07 06:10
L3	1	("20060054205").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2014/02/07 06:19
L4	2417	(119/263 or 210/150,167.21 ).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/02/07 06:28
L5	6	(anode or cathode or electrode) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and l4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2014/02/07 06:28
L6	2	("2008/0264843").URPN.	USPAT	ADJ	ON	2014/02/07 06:33
L7	6806	(119/263 or 210/150,151,745,532.2,167.21,220,167.21 ).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/02/07 06:38
L8	13	(anode or cathode or electrode) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and l7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2014/02/07 06:38
L9	9426	(119/263 or 210/150,151,745,532.2,167.21,220,167.21 or 134/56R or 435/286.6 or 417/5 or 261/26).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/02/07 06:40
L10	13	(anode or cathode or electrode) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and l9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2014/02/07 06:41
L11	301	((((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and l9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2014/02/07 06:41
L12	12	((((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and l1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2014/02/07 06:45
L13	1	(anode or cathode or electrode) and(((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and l1	US-PGPUB; USPAT; USOCR; FPRS;	ADJ	ON	2014/02/07 06:48

L14	42	(anode or cathode or electrode) and(((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and I9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2014/02/07; 06:49
S1	1255	(anode or cathode or electrode) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/12/10; 12:45
S2	28341	(210/739,746,748.01,748.16,748.15,748.17,748.19,749,757 or 422/22,27,28,129,186,186.04,186.03,186.07,186.01,186.1,186.15,186.16,186.21,616,243,305,308 or 204/155,157.15,157.5,164,176,178,450,554,193,194,260,272,280,277,278.5,287,288,288.1,288.2).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/12/10; 13:32
S3	83	(anode or cathode or electrode) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2012/12/10; 13:33
S4	6	"7670495"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 11:48
S5	28493	(210/739,746,748.01,748.16,748.15,748.17,748.19,749,757 or 422/22,27,28,129,186,186.04,186.03,186.07,186.01,186.1,186.15,186.16,186.21,616,243,305,308 or 204/155,157.15,157.5,164,176,178,450,554,193,194,260,272,280,277,278.5,287,288,288.1,288.2).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 12:37
S6	48	(anode or cathode or electrode)same (inch or in or "in.") same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 12:37
S7	6	"10372017"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 12:51
S8	15	("20020074237"   "4225401"   "4252856"   "4587001"   "5015354"   "5534143"   "5982609"   "6171469"   "6315886"   "6328875"   "6394429"   "6689262").PN. OR ("7396441").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2013/01/14; 12:52
S9	12	(anode or cathode or electrode)same (inch or "in.") same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:02
S10	110	(anode or cathode or electrode)same (inch or "in.") same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:04
S11	0	("2007/0284245").URPN.	USPAT	ADJ	ON	2013/01/14; 13:06
S12	3	("2007/0187262").URPN.	USPAT	ADJ	ON	2013/01/14; 13:07
S13	1628	(anode or cathode or electrode)same (inch or "in.") and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:12
S14	28994	(210/739,746,748.01,748.16,748.15,748.17,748.19,749,757 or 422/22,27,28,129,186,186.04,186.03,186.07,186.01,186.1,186.15,186.16,186.21,616,243,305,308 or 204/155,157.15,157.5,164,176,178,450,554,193,194,260,272,280,277,278.5,287,288,288.1,288.2,230.2 or 205/701 or 22/192,321.7,1).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:12
S15	1690	(anode or cathode or electrode)same (inch or "in.") and S14	US-PGPUB; USPAT	ADJ	ON	2013/01/14; 13:12

			EPO; JPO; DERWENT			
S16	20	(anode or cathode or electrode) same (inch or "in.") same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:13
S17	32	(anode or cathode or electrode) same (inch or "in." or mm or cm) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:16
S18	35	(anode or cathode or electrode) same 6 (inch or "in." or mm or cm) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:23
S19	10	(anode or cathode or electrode) same 6 (inch or "in." or mm or cm) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen and S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/14; 13:23
S20	29002	(210/739,746,748.01,748.16,748.15,748.17,748.19,749,757 or 422/22,27,28,129,186,186.04,186.03,186.07,186.01,186.1,186.15,186.16,186.21,616,243,305,308 or 204/155,157.15,157.5,164,176,178,450,554,193,194,260,272,280,277,278.5,287,288,288.1,288.2,230.2 or 205/701 or 22/192,321.7,1).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/15; 15:17
S21	12	(anode or cathode or electrode) same 6 (inch or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/15; 15:17
S22	12	(anode or cathode or electrode) same 6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/15; 15:19
S23	39	("3404088"   "3479281"   "3562137"   "3619391"   "3783114"   "3816274"   "3816275"   "3817865"   "3853736"   "3898150"   "3904521"   "3920530"   "3925203"   "3944478"   "3975269"   "4012319"   "4075076"   "4189381"   "4197180"   "4202767"   "4294697"   "4311595"   "4623436"   "Re26329").PN. OR ("5049252").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2013/01/15; 15:43
S24	6	"7670495"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/16; 07:44
S25	3	"20070102371"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/16; 09:48
S26	29011	(210/739,746,748.01,748.16,748.15,748.17,748.19,749,757 or 422/22,27,28,129,186,186.04,186.03,186.07,186.01,186.1,186.15,186.16,186.21,616,243,305,308 or 204/155,157.15,157.5,164,176,178,450,554,193,194,260,272,280,277,278.5,287,288,288.1,288.2,230.2 or 205/701 or 22/192,321.7,1).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17; 08:32
S27	3	(inner or outer or inside or concentric) same (anode or cathode or electrode) same 6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17; 08:32
S28	8	(inner or outer or inside or concentric) same (anode or cathode or electrode) same 6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17; 08:33
S29	105	(inner or outer or inside or concentric) same (anode or cathode or electrode) same 6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3) or (micro\$bubbl\$3 or nano\$bubbl\$3))	US-PGPUB; USPAT; USOCR;	ADJ	ON	2013/01/17; 08:40

					DERWENT			
S30	14	(inner or outer or inside or concentric) same(anode or cathode or electrode)same6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17 08:41		
S31	83	(inner or outer or concentric) same(anode or cathode or electrode)same6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17 08:44		
S32	2	(concentric) same(anode or cathode or electrode)same6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17 08:44		
S33	2	(concentric) same6(anode or cathode or electrode)same6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17 08:47		
S34	2	(concentric) same6 (anode or cathode or electrode)same6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17 08:47		
S35	3	("2007/0187262").URPN.	USPAT	ADJ	ON	2013/01/17 11:13		
S36	3	("2007/0187261").URPN.	USPAT	ADJ	ON	2013/01/17 11:14		
S37	189	("20010002500"   "20010034922"   "20020023847"   "20020027070"   "20020032141"   "20020038768"   "20020074237"   "20020112314"   "20020185423"   "20030001439"   "20030062068"   "20030070919"   "20030102270"   "20030159230"   "20030159231"   "20030159233"   "20030164306"   "20030213505"   "20040011665"   "20040012913"   "20040037737"   "20040042201"   "20040069611"   "20040094432"   "20040112763"   "20040166019"   "20040168933"   "20040226123"   "20040250323"   "20040256247"   "20050103644"   "20050121334"   "20050126928"   "20050136520"   "20050139239"   "20050139465"   "20050139808"   "20050194261"   "20050244556"   "20060037869"   "20060054205"   "20060076248"   "20060162735"   "20060169575"   "20060231503"   "20060263240"   "20060272120"   "20060280664"   "20070009376"   "20070023273"   "20070037267"   "20070141434"   "20070170072"   "20070186367"   "20070186368"   "20070186369"   "20070186954"   "20070186957"   "20070186958"   "20070187261"   "20070187262"   "20070187263"   "20070272549"   "20080264778"   "20080272060"   "20090008268"   "20090127128"   "20090148342"   "20090162505"   "20090184186"   "20090212132"   "20090235481"   "20100147700"   "20100181208"   "20100189805"   "20100192987"   "20100276301"   "20110121110"   "2288956"   "3725226"   "3859195"   "3897320"   "3933614"   "4018658"   "4099489"   "4105528"   "4108052"   "4121543"   "4129493"   "4154578"   "4244079"   "4324635"   "4374711"   "4405418"   "4502929"   "4574037"   "4600495"   "4630167"   "4663091").PN. OR ("4670113"   "4676882"   "4705191"   "4734176"   "4810344"   "4832230"   "4875988"   "4956071"   "5101110"   "5186860"   "5234563"   "5250161"   "5292406"   "5316646"   "5320718"   "5378339"   "5536389"   "5590439"   "5593476"   "5632870"   "5661237"   "5665212"   "5733434"   "5762779"   "5766438"   "5779891"   "5815869"   "5824200"   "5835680"   "5853562"   "5858201"   "5858202"   "5928505"   "5930105"   "5931859"   "5997717"   "6016973"   "6032655"   "6059941"   "6088211"   "6101671"   "6110353"   "6132572"   "6200434"   "6231747"   "6315886"   "6336430"   "6375827"   "6379628"   "6409895"   "6425958"   "6488016"   "6502766"   "6585827"   "6638364"   "6652719"   "6656334"   "6689262"   "6703785"   "6719891"   "6735812"   "6842940"   "6855233"   "6878287"   "6921743"   "6926819"   "6964739"   "6974561"   "6991593"   "7008523"   "7011739"   "7059013"   "7107046"   "7156962"   "7160472"   "7226542"   "7238272"   "7303300"   "7309136"   "7836543"   "7891046"   "8007654"   "8012339"   "8012340"   "8025786"   "8025787"   "8046867"   "8062499").PN. OR ("8337690").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2013/01/17 11:14		
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S42	0	"13247241"	US-PGPUB; USPAT; USOCR	ADJ	ON	2013/01/17; 11:25
S43	5	"7670495"	US-PGPUB; USPAT; USOCR	ADJ	ON	2013/01/17; 11:25
S44	29011	(210/739,746,748.01,748.16,748.15,748.17,748.19,749,757 or 422/22,27,28,129,186,186.04,186.03,186.07,186.01,186.1,186.15,186.16,186.21,616,243,305,308 or 204/155,157.15,157.5,164,176,178,450,554,193,194,260,272,280,277,278.5,287,288,288.1,288.2,230.2 or 205/701 or 22/192,321,7,1).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17; 11:59
S45	1	(pyramid\$2 or triang\$5 or funnel or conical or cone) same(anode or cathode or electrode)same6 (inch\$2 or "in." or mm or cm or gap) same (((micro or nano) same (bubbl\$3)) or (micro\$bubbl\$3 or nano\$bubbl\$3)) same oxygen and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2013/01/17; 11:59
S46	0	("2007/0284245").URPN.	USPAT	ADJ	ON	2013/01/17;

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