


Search Notes 	Application/Control No. 16/460,770	Applicant(s)/Patent Under Reexamination Mayfield et al.
	Examiner ANTHONY M HAUGHTON	Art Unit 2835

CPC - Searched*		
Symbol	Date	Examiner
g06f1/32,16,1601,1603,1605,1607,1609,1611	10/15/2019	AMH
B08B1/006,002	10/15/2019	AMH


CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
361	679.01, 679.02	10/15/2019	AMH

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
EAST SEARCH (SEE SEARCH NOTES)	10/15/2019	AMH
INVENTOR SEARCH	10/15/2019	AMH
CLASSIFICATION SEARCH IN COMBINATION WITH TEXT SEARCH	10/15/2019	AMH
IP.COM SEARCH	10/15/2019	AMH

/ANTHONY M HAUGHTON/ Primary Examiner, Art Unit 2835	
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<i>Search Notes</i> 	Application/Control No. 16/460,770	Applicant(s)/Patent Under Reexamination Mayfield et al.
	Examiner ANTHONY M HAUGHTON	Art Unit 2835

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	PG-PUB CLAIM TEXT SEARCH	10/15/2019	AMH
361	679.01, 679.02	10/15/2019	AMH
G06F1	32, 16, 1601, 1607	10/15/2019	AMH
B08B1	006, 002	10/15/2019	AMH

/ANTHONY M HAUGHTON/ Primary Examiner, Art Unit 2835	
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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3020	h05k1/0271.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:00
L2	14999	G06F1/20,203,206.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:00
L3	13960	G06F1/18-189.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:00
L4	861	361/679.33-679.39, "679.54", "679"."46".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:01
L5	5402	361/679.33-679.39,679.54,679.46.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:01
L6	14344	361/679.33-679.39,679.54,679.46,704,707,708,724-727.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:04
L10	0	H05G7/2039.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:05
L11	1442	H05K7/2039.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:05
L15	1352	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:59
L16	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:59
L17	1619	15 16	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:59
L18	17	17 and (magnet\$1 and switch\$3).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 11:59
L19	11729	g06f1/32,16,1601,1603,1605,1607,1609,1611.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 12:04
L20	1286	B08B1/006,002.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 12:04
L24	7309	361/679.01,679.02.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 12:05
L25	51	((("MAYFIELD") near3 ("Walter")) OR (("VALDEZ") near3 ("Daniel"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/10/15: 12:05
S1	403	361/679.56.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19: 10:27
S2	29	S1 and (retainer or accomodat\$3)	US-PGPUB;	OR	OFF	2010/07/19:

			USPAT; USOCR			10:30
S3	3	S2 and (eject\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:30
S4	25	S1 and (eject\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:30
S5	21	("20020167482" "4689761" "5341154" "5402121" "5764474" "5793355" "6040977" "6163326" "6262716" "6292358" "6307740" "6462937" "6493218" "6538880" "6605924" "6798647").PN. OR ("7068499").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:32
S6	59	("20020091877" "20020103951" "20020140627" "20030126335" "5793957" "6049453" "6073187" "6116767" "6445579" "6538880" "6584533" "6697032" "6697251").PN. OR ("6798647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:42
S7	7	("6018456" "6145746" "6188573").PN. OR ("6445579").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:47
S8	62	("20020091877" "20020103951" "20020140627" "20030126335" "3407869" "4241380" "4519016" "4850657" "5237486" "5243493" "5272593" "5297025" "5313362" "5557500" "5559675" "5600538" "5612852" "5661630" "5671120" "5677830" "5726864" "5751550" "5774330" "5784256" "5793957" "5812373" "5816673" "5835343" "5870485" "5923531" "5973920" "6008986" "6015195" "6028769" "6049453" "6049455" "6073187" "6101089" "6104451" "6115249" "6116767" "6445579" "6538880" "6584533" "6697032" "6697251").PN. OR ("6961237").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:48
S9	40	S8 not S6	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:49
S10	29	("20020086703" "20020169001" "20040171346" "20040193765" "20040224638" "20050014536" "4533791" "5528667" "5537343" "6035214" "6049453" "6102476" "6144549" "6231145" "6231371" "6330151" "6388878" "6538880" "6591085" "6626686" "6654251" "6693586" "6760600" "6763252" "6961237" "7110574" "D440542" "D472900" "D495336").PN. OR ("7580254").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:51
S11	5	("20040233624" "5859628" "6806867" "6889057" "6961237").PN. OR ("7618065").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:54
S12	1171	361/679.01.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:55
S13	8	((YUUSUKE) near2 (ITOH)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/19; 10:56
S14	1	"7558057".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/20; 16:52
S15	189	"4713714" "5325263" "5424910" "5588728" "6186804" "6505899" "6544061" "20030036407" "20030128504" "20050014536" "20050047071" "20050096005" "20050181756" "20060046780" "2006052129" "20060134959" "20060153155".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22; 12:40
S16	16	("4713714" "5325263" "5424910" "5588728" "6186804" "6505899" "6544061" "20030036407" "20030128504" "20050014536" "20050047071" "20050096005" "20050181756" "20060046780" "2006052129" "20060134959" "20060153155").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22; 12:41
S17	16	("2005/0181756").URPN.	USPAT	OR	OFF	2010/07/22; 12:44
S18	12	("20050181756" "20050255895" "4388492" "D305234" "D433006" "D471174" "D472542" "D501005" "D505669").PN. OR ("D536334").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22; 12:45

S19	527	381/361.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22 12:49
S20	1	"20080115607"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22 12:51
S21	166	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22 12:58
S22	48	S21 and portable	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22 12:59
S23	29	("20020086703" "20020169001" "20040171346" "20040193765" "20040224638" "20050014536" "4533791" "5528667" "5537343" "6035214" "6049453" "6102476" "6144549" "6231145" "6231371" "6330151" "6388878" "6538880" "6591085" "6626686" "6654251" "6693586" "6760600" "6763252" "6961237" "7110574" "D440542" "D472900" "D495336").PN. OR ("7580254").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22 13:00
S24	3	S23 and motor	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/22 13:00
S25	62	("20020091877" "20020103951" "20020140627" "20030126335" "5793957" "6049453" "6073187" "6116767" "6445579" "6538880" "6584533" "6697032" "6697251").PN. OR ("6798647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/21 10:04
S26	1	"6652297".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/22 12:40
S27	419	361/679.56.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/23 17:35
S28	1300	361/679.01.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/23 17:35
S29	9	((YUUSUKE) near2 (ITOH)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/23 17:35
S30	538	381/361.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/23 17:36
S59	1	"7365966".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:08
S60	1	"7355845".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:08
S61	3	"385352".apn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:08
S62	5	S59 S60 S61	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:08
S63	11416279	"2" S61	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:09
S64	29	("20080028118" "20100081473" "20100250789" "20100250818" "20110103003" "5666530" "5864708" "6101087" "6426872" "6532152" "6594146" "6856506" "6937468" "6982702" "7035100" "7231481" "7236863" "7298611" "7417855" "7484963" "7502225" "7562052" "7583495" "7679902" "7684185" "7746629" "7773037" "7859836" "7890688").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:09
S65	24	S64 and wireless	US-PGPUB; USPAT;	OR	OFF	2013/10/21 10:14

			USOCR			
S66	805	361/679.41.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:14
S67	241	S66 and wireless	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:14
S68	105	S66 and (wireless with dock\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:14
S69	24	S68 and (car or automobile)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:14
S70	17	S64 and (wireless with dock\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:15
S71	1	S70 and (car or automobile)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:15
S72	21	S68 and (power near connector\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:24
S73	40	S69 S70 S71	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:24
S74	15	S72 not S73	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:24
S75	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:28
S76	165	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:28
S77	432	S75 S76	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:28
S78	239	S77 and (hing\$3 or rotat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:28
S79	84	S78 and (laptop or (lap near top) or ((portable or notebook) near computer))	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:28
S80	155	S78 not S79	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:31
S81	36	S80 and (phone or telephone or cell)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:31
S82	39	S80 and (phone or telephone or cell or cellular)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/10/21 10:31
S83	817	361/679.41.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:09
S84	246	S83 and (wireless or (wire near less))	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:10
S85	65	S83 and ((wireless or (wire near less)) with connector\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:10
S86	1	"20120250246"	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:10

S87	1	"20130163187"	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:10
S88	2	S86 S87	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:10
S89	137	S83 and ((wireless or (wire near less)) with connect\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:10
S90	18	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$).did.	US-PGPUB; USPAT	OR	OFF	2013/11/27 17:25
S91	3	S90 and (power with pin\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:25
S92	17	S90 and (power)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:27
S93	6	S92 and guid\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 17:28
S94	18	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$).did.	US-PGPUB; USPAT	OR	OFF	2013/11/27 23:08
S95	0	S94 and VESA	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:08
S96	817	361/679.41.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:10
S97	137	S96 and ((wireless or (wire near less)) with connect\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:10
S98	10	S97 and VESA	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:10
S99	18	S97 and water	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:13
S100	6	S99 and seal	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:13
S101	12	S99 not S100	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:17
S102	3	S94 and vehicle	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:21
S103	56	S96 and water	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:27
S104	0	S96 and (water near seal)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:27
S105	13	S96 and (water with seal)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:27
S106	56	S96 and (water)	US-PGPUB;	OR	OFF	2013/11/27

			USPAT; USOCR			23:30
S107	19	S106 and seal	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:30
S108	27	S107 not12	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:30
S109	6	S107 not S105	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:30
S110	13	(docking near station) and (water near seal)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:34
S111	22	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$).did.	US-PGPUB; USPAT	OR	OFF	2013/11/27 23:37
S112	4	S111 and (water or seal)	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:37
S113	114	("20010029588" "20010036840" "20010048793" "20020001175" "20020092160" "20020097555" "20020140147" "20020166084" "20030005073" "20030021087" "20030056125" "20030090878" "20030156383" "20040268005" "20050101167" "20050102451" "20050154931" "20050162822" "20050289369" "20060002070" "20060065431" "20060256792" "20060268507" "20070070566" "20080165291" "20080239639" "20080304227" "20090073693" "20090217373" "20100253691" "3787818" "4232356" "4791531" "4814970" "4816993" "4876644" "5136718" "5227957" "5278730" "5311397" "5349132" "5377356" "5430607" "5504918" "5539616" "5589406" "5602721" "5671430" "5689406" "5694294" "5696983" "5761033" "5805474" "5822608" "5844824" "5863211" "5909357" "5938757" "5948087" "5949644" "5999952" "6021453" "6035356" "6049449" "6058011" "6137686" "6153881" "6157533" "6157537" "6216185" "6220346" "6229700" "6229710" "6246573" "6261104" "6275922" "6288893" "6304459" "6307742" "6321335" "6327152" "6351375" "6369849" "6370546" "6373715" "6377446" "6389499" "6446192" "6463519" "6467009" "6482042" "6490157" "6512356" "6512963" "6532152" "6542354" "6574098" "6618698" "6629181" "6687128" "6718408" "6795926" "6819550" "6954850" "7075784" "7236353" "7242574" "7245497" "7256991" "7340763" "7414312" "7733635" "7764506" "7817412").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:46
S114	2	("6935661" "7835150").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/27 23:53
S115	2	("20080297013" "20100182531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/28 00:20
S116	3	("20110062304" "20110279962" "6462942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/28 00:21
S117	2	"20100177476"	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/28 07:22
S118	1	"7236863".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/28 07:22
S119	1	"20100195279"	US-PGPUB;	OR	OFF	2013/11/28;

			USPAT; USOCR			07:23
S120	1	"6504710".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/28; 07:23
S121	1	"7742289".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/28; 07:23
S122	6	S117 S118 S119 S120 S121	US-PGPUB; USPAT; USOCR	OR	OFF	2013/11/28; 07:23
S123	2	"20050231364"	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 18:58
S124	1	"59301110".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 19:01
S125	1	"8089759".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 19:13
S126	1048	361/679.31.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 21:15
S127	267	HAUGHTON.XA.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 21:15
S128	180	HAUGHTON.XP.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 21:15
S129	447	S127 S128	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 21:16
S130	27	S126 and S129	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/01; 21:16
S131	1	"7742289".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 00:18
S132	3	("20110062304" "20110279962" "6462942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:25
S133	1436	361/679.21.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:25
S134	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:25
S135	180	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:25
S136	447	S134 S135	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:25
S137	76	S133 and S136	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:25
S138	16	S137 and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:26
S139	4572	361/679.21-679.3.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:26
S140	148	S136 and S139	US-PGPUB; USPAT;	OR	OFF	2013/12/02; 01:26

			USOCR			
S141	3416	361/679.22-679.3.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:26
S142	130	S136 and S141	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:27
S143	46	S142 and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2013/12/02; 01:27
S144	883	361/679.41.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/26; 14:44
S145	40	361/679.42.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/26; 14:44
S146	252	361/679.43.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/26; 14:44
S147	111	361/679.44.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/26; 14:44
S148	4569	361/679.01.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/26; 14:44
S149	3	("20070120752" "20100081473" "6282082").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/26; 14:45
S150	9	((David) near2 (Reber)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/27; 09:48
S151	6	((Bryan) near2 (Bell)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/06/27; 09:48
S152	4569	361/679.01.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2014/06/27; 09:52
S153	883	361/679.41.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2014/06/27; 09:52
S154	40	361/679.42.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2014/06/27; 09:52
S155	252	361/679.43.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2014/06/27; 09:52
S156	111	361/679.44.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2014/06/27; 09:52
S200	1	"8873233".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:00
S201	1	"7580254".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:00
S202	2	S200 S201	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:00
S203	223	361/679.29.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:10
S204	114	S203 and slid\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:10

S205	24	S203 and (slid\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:11
S206	141	("4089045" "4330776" "4415983" "4730186" "4884068" "4885482" "4899137" "4916441" "4926010" "5018076" "5048210" "5103376" "5115374").PN. OR ("5233502").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:21
S207	40	("4672501" "4794381" "4870531" "4939652" "4980678" "5138305" "5138565" "5166893").PN. OR ("5262759").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:21
S208	40	("5144290" "5195213" "5229920" "5262759" "5507072" "5724704" "5745340" "6006243" "6016171" "6128184" "6141208").PN. OR ("6317315").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:23
S209	8	("20020032048" "5637928" "5805415" "6140934" "6268997" "6411502" "6816366").PN. OR ("7119790").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:25
S210	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:27
S211	841	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:27
S212	1108	S210 S211	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:27
S213	337	S212 and (vehicle\$1 or automobile\$1 or car\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:27
S214	14	S213 and (slid\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:28
S215	14	S214 not S205	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:28
S216	23	("20040228077" "20070058329" "20070206349" "20080076347" "20090174658" "20100046149" "20100053878" "20100087232" "6006243" "6158359" "7342777").PN. OR ("8259437").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:34
S217	23	("20040228077" "20070058329" "20070206349" "20080076347" "20090174658" "20100046149" "20100053878" "20100087232" "6006243" "6158359" "7342777").PN. OR ("8259437").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:38
S218	2	"20110199726"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:39
S219	15	("20010011993" "20020109662" "20040190234" "20080062625" "20110063785" "20110199319" "20120293942" "5062806" "5193069" "5233502" "6512670" "7379292" "7656652").PN. OR ("8422210").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:39
S220	2	"20100039764"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:40
S221	5	("20070076362" "20080062625" "20080203817" "6421235").PN. OR ("8730669").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:40
S222	9	"20090201637"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:40
S223	41	("20050011920" "20050103815" "20060113213" "20060163303" "20070199844" "20070201201" "20080192421" "20080273298" "20090009476" "20090009938" "20090046416" "20090107877" "20090107878" "20090141446" "20090185342" "20090190296" "20090225508" "20090225509" "20090236247" "20090284908" "5445266" "5887723" "6167413" "6269948" "6283299" "6763942" "6956614"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:40

		"6962277" "7265970").PN. OR ("7889496").URPN.				
S224	44	("20020086703" "20020169001" "20040171346" "20040193765" "20040224638" "20050014536" "4533791" "5528667" "5537343" "6035214" "6049453" "6102476" "6144549" "6231145" "6231371" "6330151" "6388878" "6538880" "6591085" "6626686" "6654251" "6693586" "6760600" "6763252" "6961237" "7110574" "D440542" "D472900" "D495336").PN. OR ("7580254").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:43
S225	1368	361/679.41-679.44.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:45
S226	348	S225 and tablet\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:46
S227	4	S226 and (slid\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:50
S228	2	"20150362953"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:51
S229	2	("20120092822" "8550343").PN. OR ("9568949").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:52
S230	2	"20150055289"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:57
S231	18	("20110075349" "20130107126" "20140133080" "20140177162" "20150036283" "5619397" "5627727" "7014486" "7381075" "8077454" "8199476" "8325476" "8608123" "8644018" "8654522" "8705231" "9047049").PN. OR ("9256255").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 15:57
S232	96	S226 and (horizontal and vertical)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:04
S233	2494	G06F1/16.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S234	3574	G06F1/1601.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S235	9347	G06F1/1616.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S236	1139	G06F1/1635.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S237	2751	G06F1/1637.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S238	1026	G06F1/1641.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S239	2353	G06F1/1643.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S240	1666	G06F1/1652.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:13
S241	1278	G06F1/1683.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:14
S242	5598	361/679.21-679.3.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:14

S243	2237	361/679.55.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:14
S244	1034	361/679.56.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:14
S245	8284	345/690.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:14
S246	2214	349/62.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:14
S247	1127	248/917.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:14
S248	9135	((("YAMAZAKI") near3 ("Shunpei")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:15
S249	133	((("ISHIKAWA") near3 ("Jun")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:15
S250	10550	455/575.1-575.9.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:16
S251	4600	312/223.1-223.3.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:16
S252	287	312/334.46.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:18
S253	23062	345/173.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:18
S254	7916	345/174.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:18
S255	763	345/177.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:18
S256	1275	345/531.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:19
S257	597	345/537.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:19
S258	4456	345/589.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:19
S259	933	206/425.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/03/06; 16:19
S269	20	(US-20060194619-\$ or US-20060146488-\$ or US-20010003450-\$ or US-20100164837-\$ or US-20110043976-\$).did. or (US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-8270159-\$ or US-8035577-\$ or US-7180665-\$ or US-8385055-\$ or US-8369075-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$ or US-8605421-\$ or US-8380327-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20; 20:54
S270	81	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$	US-PGPUB; USPAT	OR	OFF	2017/09/20; 20:54

		or US-20060194619-\$ or US-20060146488-\$.did. or (US-20010003450-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$.did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$.did. or (US-8385055-\$.did.				
S271	267	haughton.xa.	US-PGPUB; USPAT	OR	OFF	2017/09/20; 20:55
S272	1019	haughton.xp.	US-PGPUB; USPAT	OR	OFF	2017/09/20; 20:55
S273	1286	S271 S272	US-PGPUB; USPAT	OR	OFF	2017/09/20; 20:55
S274	37	S273 and (display\$1 near flex\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 20:55
S275	2	("20120314400" "20140355195").PN.	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:00
S276	16	S270 and (display\$1 near flex\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:25
S277	18	S270 and (display\$1 near2 flex\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:25
S278	170	("3662807" "3748971" "5049862" "5189632" "5467102" "5534888" "5646649" "5734513" "5768812" "5896575" "6047196" "6057814" "6107988" "6259932" "6297945" "6317108" "6331840" "6356443" "6377324").PN. OR ("6577496").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20; 21:31
S279	80	S278 and (display\$1 near2 flex\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:32
S280	72	S278 and (display\$1 near flex\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:32
S281	38	S278 and (display\$1 near fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:33
S282	20	S280 and (display\$1 near fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:33
S283	23	S279 and (display\$1 near fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:33
S284	2	"20140355195"	US-PGPUB; USPAT	OR	OFF	2017/09/20; 21:53
S285	20	("20020067339" "20020149571" "20020175836" "20060050169" "20060146488" "20080079656" "20090104949" "20110148797" "20110227822" "20120002360" "20120033354" "20120257368" "20130010405" "6377324" "6577496" "7379128" "7714801" "7834451" "8144453").PN. OR ("9348369").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20; 21:53
S286	22	("20080140868" "20080232043" "20100067181" "20100120470" "20110279352" "20130109438" "20130114193" "20130205142" "20140042293" "20140198036" "20140320396" "20140380186" "20150382447" "20160062412" "5719799" "6496369" "6510636" "7871319" "8654095" "9213374" "9348369" "9395070").PN. OR ("9720455").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20; 21:57
S287	10	((("SUN") near3 ("Yanliu")).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20; 22:15
S288	5605	361/679.21-679.3.ccls.	US-PGPUB;	OR	OFF	2017/09/20;

			USPAT; USOCR			22:16
S289	1987	G06F1/1652.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 22:16
S290	501	S289 and (display\$1 near fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/20 22:16
S291	92	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/09/20 23:23
S292	47	S291 and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:33
S293	45	S291 not S292	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:42
S294	12	S293 and wind\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:43
S295	12	S293 and wind\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:43
S296	33	S293 not S295	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:43
S297	1	"9504170".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:56
S298	60	("20020067339" "20060026521" "20060029218" "20060034601" "20060050169" "20060107566" "20060146488" "20060197753" "20070097014" "20070117600" "20080158795" "20090103261" "20090137171" "20090256471" "20100026952" "20100207844" "20100246103" "20100315399" "20110086680" "20110210937" "20110241998" "20120127087" "20120218219" "20120262870" "20120307423" "20130037228" "20130083496" "20130180882" "4066855" "4085302" "5483261" "5488204" "5825352" "5835079" "5880411" "5898600" "6107988" "6188391" "6310610" "6323846" "6421235" "6510325" "6577496" "6690387" "6697045" "6803245" "7015894" "7032984" "7034913" "7184064" "7345872" "7446757" "7483723" "7541671" "7565720" "7663607" "7714801"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:56

		"7834451" "8170631" "8873225").PN. OR ("9504170").URPN.				
S299	1	"7180665".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/20 23:56
S300	57	("20010003450" "2350200" "2404257" "2611427" "2862552" "4110003" "5442470" "5982537" "6124851" "6249377" "6311076" "RE26156").PN. OR ("7180665").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/21 00:07
S301	7	S300 and (display\$1 near fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:07
S302	96	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:08
S303	16	S302 and (display\$1 near fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:08
S304	27	S302 and (display\$1 near3 fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:08
S305	44	S302 and (display\$1 near3 (fold\$4 or rotat\$4 or hing\$4))	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:08
S306	25	S305 and (display\$1 near flex\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:09
S307	9	S306 and tension\$3	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:09
S308	4	S307 and spring\$1	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:09
S309	1	S308 and wind\$3	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:09
S310	7	S307 and roll\$3	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:13
S311	2	S307 not S310	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:20
S312	5	("9504170" "7180665" "9013864" "20130037228" "8369075").pn.	US-PGPUB; USPAT	OR	OFF	2017/09/21 00:24
S313	20	("20010043188" "20060146488" "4919259" "6016176" "6380921").PN. OR ("8873225").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/21 01:19
S314	49	("20060146488" "20090262079" "20100164837" "6016176" "6377324" "6577496" "7440265" "7558057" "7667962" "8035577" "8369075" "8385055").PN. OR ("8605421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/21 01:24
S315	1	"6016176".pn.	US-PGPUB;	OR	OFF	2017/09/21

			USPAT; USOCR			01:25
S316	71	("5905550").PN. OR ("6016176").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/21 01:25
S317	25	("20020187818" "20030215582" "20040052044" "20040109076" "20040116167" "20040145653" "20040174452" "20060146514" "3792921" "4493542" "5436686" "5796854" "5903706" "6016176" "6459857" "6671462" "7184086").PN. OR ("7808550").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/21 01:43
S318	1993	G06F1/1652.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/21 01:52
S319	1599	S318 and (display\$1 near flex\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:53
S320	455	S319 and (display\$1 near fold\$4)	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:53
S321	1037	S319 and (display\$1 near3 (fold\$4 or rotat\$4 or hing\$4))	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:54
S322	10546	455/575.1-575.9.ccls.	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:54
S323	7	S320 and S322	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:54
S324	20	S321 and S322	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:54
S325	20	S323 S324	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:54
S326	224	S320 and hing\$3	US-PGPUB; USPAT	OR	OFF	2017/09/21 01:58
S327	2	("20130328792" "8787016").PN.	US-PGPUB; USPAT	OR	OFF	2017/09/21 02:01
S328	2	"20140213324"	US-PGPUB; USPAT	OR	OFF	2017/09/21 02:10
S329	7	("20040244146" "20070019804" "20100275413" "20110179864" "20130010405").PN. OR ("9294597").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/21 02:11
S330	1	"20040074082"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/29 23:59
S331	1	"8807488".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/29 23:59
S332	109	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US- 20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US- 6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US- 5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US- 9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-	US-PGPUB; USPAT	OR	OFF	2017/09/29 23:59

		8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$ or US-9294597-\$ or US-9603271-\$).did.				
S333	2	S330 S331	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/29 23:59
S334	0	S332 and S333	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/29 23:59
S335	2	"20110085301"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/30 02:06
S336	2	"20120106081"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/30 02:06
S337	4	S335 S336	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/30 02:06
S338	109	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$ or US-9294597-\$ or US-9603271-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/09/30 02:06
S339	0	S337 and S338	US-PGPUB; USPAT; USOCR	OR	OFF	2017/09/30 02:06
S340	109	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$	US-PGPUB; USPAT	OR	OFF	2018/05/18 13:24

		or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$ or US-9294597-\$ or US-9603271-\$).did.				
S341	33	S340 and wind\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:24
S342	1	"9013864".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:26
S343	1	"7558057".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:43
S344	2	"20060194619"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:43
S345	2	"20060107566"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:43
S346	5	S343 S344 S345	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:43
S347	1	"20120243718"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:50
S348	1	"20170118850"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:50
S349	2	S347 S348	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 13:50
S350	5	("20120243718" "20150286253" "20150378391" "20170118850" "5627727").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 14:10
S351	2	"20150286253"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 14:11
S352	1	"20170118850"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 14:12
S353	5	("20040070633" "20070146307" "20110227822" "20130169515" "7249324").PN. OR ("9513669").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18 14:12
S354	3	("2017/0118850").URPN.	USPAT	OR	OFF	2018/05/18 14:12

S355	3	("20060250764" "20130107137" "20160249471").PN.	US-PGPUB; USPAT	OR	OFF	2018/05/18; 14:14
S356	1	"20160249471"	USPAT	OR	OFF	2018/05/18; 14:14
S357	0	("2016/0249471").URPN.	USPAT	OR	OFF	2018/05/18; 14:14
S358	0	("20130155655" "20130207946" "20140118910").PN.	USPAT	OR	OFF	2018/05/18; 14:15
S359	3	("20130155655" "20130207946" "20140118910").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:15
S360	2	"20140118910"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:16
S361	6	("20080303782" "20100188422" "20120281367" "20140004906" "20150009635" "9116662").PN. OR ("9746701").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:16
S362	2	"20130207946"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:16
S363	16	("20020084891" "20060213281" "20080018631" "20080055831" "20080216585" "20100188422" "20110007042" "20110095975" "20110095999" "20110115887" "20110187681" "20110273906" "20120235894" "4601514" "5174526").PN. OR ("9390642").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:17
S364	21	S361 S363	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:17
S365	2	"20130155655"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:17
S366	53	("20020003591" "20020071066" "20030174259" "20050088839" "20050180098" "20050184631" "20050194913" "20050258726" "20050264985" "20060038745" "20060044746" "20060133017" "20070085961" "20070127198" "20070195221" "20080204621" "20080212270" "20090059563" "20090086119" "20090096965" "20090161048" "20090201443" "20100059647" "20100073593" "20100195040" "20110084898" "20110096262" "20110116219" "20110140995" "20110155868" "20110222220" "20110249425" "20120281367" "20120320509" "20130044411" "20130107159" "20130114193" "20130114196" "20130128544" "20130265765" "20130329162" "20130329422" "20140226266" "5020765" "6332690" "6364260" "7542286" "7551432" "7567436" "7791279" "D497166").PN. OR ("9711752").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:17
S367	3947	G06F1/1601.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:26
S368	926	361/679.04-679.07.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:26
S369	100	S367 and (curved near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:27
S370	100	S369 and (curved near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:27
S371	3	S368 and (curved near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:27
S372	3	S368 and (curv\$3 near display)	US-PGPUB;	OR	OFF	2018/05/18;

			USPAT; USOCR			14:27
S373	104	S367 and (curv\$3 near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:27
S374	3	S368 and (curv\$4 near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:27
S375	104	S367 and (curv\$4 near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:28
S376	11	S375 and (groove near3 (curv\$3 or arc\$3 or concave or convex))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:28
S377	2901	G06F1/16.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:29
S378	33	S377 and (curved near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:29
S379	676	G06F1/1607.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:29
S380	2	S379 and (curved near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:29
S381	33	S377 and (curv\$4 near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:29
S382	2	S379 and (curv\$4 near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:30
S383	0	S381 and (groove near3 (curv\$3 or arc\$3 or concave or convex))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:30
S384	31	S377 and (groove near3 (curv\$3 or arc\$3 or concave or convex))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:30
S385	863	"419" and (groove near3 (curv\$3 or arc\$3 or concave or convex))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:30
S386	14	S379 and (groove near3 (curv\$3 or arc\$3 or concave or convex))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:30
S387	24	S384 and display\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:30
S388	10	S386 and display\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:30
S389	8067	(curv\$4 near display)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:33
S390	101	S389 and (groove near3 (curv\$3 or arc\$3 or concave or convex))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:33
S391	4	S390 and (dock\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:33
S392	1439	361/679.41-679.45.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:34
S393	1	S392 and (curv\$4 near display)	US-PGPUB; USPAT;	OR	OFF	2018/05/18; 14:34

			USOCR			
S394	9	S392 and (groove near3 (curv\$3 or arc\$3 or concave or convex))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:34
S395	9	("1681586" "20040052037" "20040061683" "20110084183" "20130170126" "20130242483" "6762929" "D741835").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:37
S396	4	("20110188189" "20130335929" "20140009914" "20150286253").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:37
S397	13	S395 S396	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:37
S398	1	"20040052037"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/18; 14:43
S399	18	("2004/0052037").URPN.	USPAT	OR	OFF	2018/05/18; 14:43
S400	20352	(H05k7/2\$).cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24; 09:33
S401	66239	(H05k7/2\$).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/24; 09:33
S402	17523	S400 and (high frequency line converter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/24; 09:33
S403	1	S400 and (high frequency line converter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2018/05/24; 09:33
S404	547	S400 and (high frequency line converter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2018/05/24; 09:34
S405	555	S401 and (high frequency line converter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2018/05/24; 09:34
S406	2	S401 and (high frequency line converter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2018/05/24; 09:34
S407	2	"8638549".pn.	US-PGPUB; USPAT; USOCR;	ADJ	OFF	2018/05/24; 11:31

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S408	6	"20060107566"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2018/05/24 11:45
S409	2	"20060107566"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2018/05/24 11:45
S410	1	"9504170".pn.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2018/05/24 13:21
S411	1	"9013864".pn.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2018/05/24 13:21
S412	0	S410 S411	US-PGPUB; USPAT; USOCR	ADJ	OFF	2018/05/24 13:21
S413	2	S410 S411	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 13:22
S414	2	"20060107566"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2018/05/24 13:22
S415	4	S410 S411 S414	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 13:22
S416	2	"20120264489"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 13:44
S417	1	"9557771".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 13:44
S418	3	S416 S417	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 13:44
S419	1	"20040052037"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:00
S420	8	("20130328741" "20130329359" "20130329450" "7582500" "8138869" "8143983" "8223489" "8638549").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:20
S421	0	S420 and (diffusion near bond\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:21
S422	0	S420 and (diffusion\$1 near bond\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:21
S423	0	S420 and (diffusion\$1 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:23
S424	1	S420 and (weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:23
S425	3	("20130255875" "20130329396" "8797721").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:25
S426	3	S425 and (weld\$3)	US-PGPUB; USPAT;	OR	OFF	2018/05/24 14:25

			USOCR			
S427	0	S425 and (diffusion\$1 near bond\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:26
S428	0	S425 and (diffusion\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:26
S429	0	S420 and (diffusion\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:26
S430	0	S420 and (diffusion\$1 near (bond\$3 or weld\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:26
S431	18372	(diffusion\$1 near (bond\$3 or weld\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:26
S432	40	S431 and ((electronic near device) with (laptop or (lap near top) or (portable near computer) or clamshell or (clam near shell) or (notebook near computer)))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:27
S433	1	S432 and magnet\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:28
S434	10	S432 and magnet\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:28
S435	30	S432 not S434	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:30
S436	29	S432 and metal\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:32
S437	10	S434 and S436	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:32
S438	19	S436 not S434	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:32
S439	0	S420 and brazing	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:34
S440	0	S425 and brazing	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:34
S441	183	((electronic near device) with (laptop or (lap near top) or (portable near computer) or clamshell or (clam near shell) or (notebook near computer))) and brazing	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:34
S442	0	((electronic near device) with (laptop or (lap near top) or (portable near computer) or clamshell or (clam near shell) or (notebook near computer))) and (brazing near2 magnet\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:34
S443	0	((electronic near device) with (laptop or (lap near top) or (portable near computer) or clamshell or (clam near shell) or (notebook near computer))) and (brazing near3 magnet\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:34
S444	54	((electronic near device) with (laptop or (lap near top) or (portable near computer) or clamshell or (clam near shell) or (notebook near computer))) and (brazing near3 metal\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:35
S445	53	S441 and magnet\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:35
S446	4	S444 and magnet\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:35
S447	49	S445 not S446	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24 14:35

S448	48	S447 not S432	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24; 14:35
S449	2	S420 and solder	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24; 14:44
S450	2	S449 and magnet\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24; 14:44
S451	1	"7583500".pn..PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24; 14:45
S452	3	S450 S451	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/24; 14:45
S453	1910	361/679.27.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S454	2240	361/679.55.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S455	9898	g06f1/1616.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S456	3307	g06f1/203.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S457	1150	361/679.54.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S458	20	S453 and S457	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S459	77	S454 and S457	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S460	93	S458 S459	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S461	383	S455 and S456	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:00
S462	10	((("20100053885") or ("7746631") or ("5880929") or ("5718282") or ("6392883") or ("5646822") or ("20030086477") or ("7017433") or ("20060116846") or ("7300203")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:02
S463	10	S462 and (heat\$3 or temp or temperature\$1 or exchange\$3 or dissipat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:02
S464	93	S460 and (heat\$3 or temp or temperature\$1 or exchange\$3 or dissipat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:02
S465	342	S461 and (heat\$3 or temp or temperature\$1 or exchange\$3 or dissipat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:03
S466	1	S464 and graphene	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:06
S467	1	S465 and graphene	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:06
S468	2	S466 S467	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25; 00:06

S469	11	S464 and vapor	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:09
S470	18	S465 and vapor	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:09
S471	27	S469 S470	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:09
S472	32	S464 and spread\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:30
S473	96	S465 and spread\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:30
S474	118	S472 S473	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:30
S475	105	S474 not S471	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:30
S476	59	S475 and ((thermal or heat) near2 spread\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 00:31
S477	48	("4551787" "4712158" "5513070" "5588483" "5606341" "5621613" "5634351" "5646822" "5764483" "5781409" "5822187" "5847925" "5966286").PN. OR ("6097597").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:07
S478	2	"20050111183"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:14
S479	175	("20020012231" "20020087901" "20020087903" "20020141152" "20030043544" "20030062149" "20030075311" "20030109967" "20030120960" "20030178178" "20030209343" "20040045749" "20040095721" "20040123977" "20040128101" "20040182099" "20040223299" "20040246247" "20050172650" "3394736" "3456319" "4063823" "4084213" "4171015" "4302793" "4350026" "4498851" "4688147" "4694659" "4765395" "4780062" "4834619" "4881376" "4923000" "4966226" "4976117" "4980848" "5008582" "5021679" "5095404" "5104626" "5119215" "5146354" "5153535" "5161389" "5247374" "5255109" "5255351" "5255526" "5263537" "5285351" "5294831" "5304846" "5307003" "5311402" "5313362" "5325265" "5329993" "5331508" "5383340" "5394936" "5396775" "5441576" "5456081" "5463879" "5477706" "5502582" "5552960" "5556377" "5606341" "5612852" "5613523" "5627412" "5641424" "5646820" "5704212" "5718282" "5724818" "5742341" "5752011" "5763951" "5774331" "5781409" "5822187" "5832987" "5847925" "5855119" "5910883" "5914856" "5966286" "5969939" "5974557" "6008986" "6028768" "6038128" "6043978" "6058009" "6082623" "6105662" "6109039" "6111749" "6118654" "6123145" "6133631" "6134104" "6134667" "6141214" "6155073" "6181554" "6181555" "6191943" "6216235" "6226178" "6252769" "6255622" "6263689" "6269865" "6275945").PN. OR ("6288895" "6288896" "6304450" "6310436" "6316872" "6338257" "6347034" "6349553" "6357515" "6397931" "6397932" "6397935" "6408937" "6415612" "6432320" "6441874" "6447692" "6453378" "6463396" "6487668" "6493440" "6501654" "6504720" "6510052" "6525935" "6529377" "6535266" "6535798" "6567269" "6588497" "6595006" "6606251" "6611425" "6625028" "6629425" "6631077" "6650542" "6657121" "6669451" "6727824" "6729383" "6729480" "6746212" "6795311" "6819566" "6900990" "6903929").PN. OR ("7269005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:14
S480	70	("4962416" "5069274" "5111874" "5168919" "5179043" "5205348" "5383340" "5646822" "5646824" "5704416"	US-PGPUB; USPAT;	OR	OFF	2018/05/25 01:21

		"5769154" "5899265" "5947183" "6097597" "6164368" "6167948" "6269865").PN. OR ("6474074").URPN.	USOCR			
S481	148	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$ or US-20090091881-\$ or US-20060117623-\$ or US-2014033831-\$ or US-20150192958-\$ or US-20150124401-\$ or US-20140352926-\$ or US-20160341486-\$ or US-20160236445-\$ or US-20180103557-\$ or US-20100053885-\$ or US-20150092343-\$ or US-20050111183-\$ or US-20020075643-\$ or US-20010046119-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$ or US-9294597-\$ or US-9603271-\$ or US-7551432-\$ or US-9760117-\$ or US-6392883-\$ or US-5880929-\$ or US-5646822-\$ or US-6447945-\$).did. or (US-6097597-\$ or US-6069791-\$ or US-8405975-\$ or US-7086452-\$ or US-6816371-\$ or US-6324055-\$ or US-6266241-\$ or US-6078499-\$ or US-6031716-\$ or US-5910883-\$ or US-6987668-\$ or US-6833992-\$ or US-6474074-\$ or US-7552759-\$ or US-5383340-\$ or US-6377454-\$ or US-5847925-\$ or US-5634351-\$ or US-5606341-\$).did.	US-PGPUB; USPAT	OR	OFF	2018/05/25 01:39
S482	1	S481 and graphene	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:39
S483	384	S479 S480 S481	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:40
S484	460	S476 S477 S483	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:40
S485	514	S474 S475 S484	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:40
S486	3	S485 and graphene	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:40
S487	424	S462 S464 S465	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:41
S488	2	S487 and graphene	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:41

S489	813	g06f1/1618.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:44
S490	235	S489 and (dual near2 display\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:45
S491	14	S490 and gpu	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:45
S492	3	S491 and port\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 01:45
S493	1	"6822635".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 13:04
S494	1	"8081433".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 13:04
S495	2	S493 S494	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/25 13:04
S496	1	"8333355".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 00:13
S497	2	"20060238967"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 00:14
S498	3	S496 S497	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 00:14
S499	92	("0496739" "1839309" "20020020329" "20020080921" "20040010328" "20040195471" "20040203379" "20040211343" "20050017842" "20050088814" "20050268825" "20050268826" "20060061185" "20070131835" "2065952" "3896744" "3908565" "4046419" "4062156" "4456212" "4619208" "4651652" "4667605" "4711184" "4714025" "4747353" "4793197" "4844387" "4920458" "5022327" "5056278" "5088421" "5101736" "5174223" "5224429" "5234187" "5243921" "5259326" "5282593" "5285733" "5289782" "5319248" "5405117" "5450800" "5475624" "5495811" "5537127" "5579033" "5765910" "5857415" "6194853" "6264146" "6343006" "6422399" "6505780" "6644745" "6665600" "6675082" "6685033" "6741920" "6748797" "6814410" "6827409" "6831993" "6923502" "6956735" "6964370" "7100052" "7198241" "7316378").PN. OR ("7878476").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 00:22
S500	62	("3909525" "4725106" "4920458" "5134390").PN. OR ("5537127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 00:30
S501	57	S500 not S499	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 00:31
S502	1	("20110198460").PN.	US-PGPUB; USPAT	OR	OFF	2018/05/26 00:39
S503	1	"20090034181"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 01:02
S504	11	("20060044766" "20080144293" "3170092" "5745338" "6424525" "6473294" "6751048" "7005996" "7043647" "7196900").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 01:13
S505	10	("20030002204" "20040228087" "20060146581" "20060203433" "20070015288" "6421215" "6463495" "6498716" "6882530" "7043647").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 01:13
S506	20	S504 S505	US-PGPUB; USPAT;	OR	OFF	2018/05/26 01:19

			USOCR			
S507	14	S506 and cabl\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:19
S508	12	S507 and rail	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:19
S509	13	S507 and rail\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:19
S510	11	S509 and slid\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:20
S511	12	("20160266611" "7440265" "7558057" "7667962" "8380327" "8385059" "8605421" "8654519" "8724297" "9558685" "9760129" "9848502").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:25
S512	5	S511 and slid\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:25
S513	0	S512 and rail\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:26
S514	1	S511 and rail\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:26
S515	0	S514 and cabl\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:26
S516	2	S511 and cabl\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:26
S517	2	S512 and cabl\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:26
S518	2	S516 S517	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:26
S519	9	("20020181197" "20030002261" "20090034181" "20100172087" "20130077900" "20140204537" "9232678" "9681576" "9832912").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:27
S520	9	S519 and slid\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:27
S521	9	S520 and rail\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:27
S522	6	S521 and cabl\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 01:27
S523	7	("20140146486" "20140192455" "4772999" "5563493" "7304852" "7388348" "6844865").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 10:47
S524	53	("4542903" "4884068" "4920458" "5122941" "5128662" "5161028" "5467102" "5523769" "5537127" "5612741" "5654776" "5673170" "5687939" "5890603" "6061104" "6222507" "6295038" "6343006" "D391251" "D408029" "D409597").PN. OR ("6844865").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:15
S525	2	"20140192455"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:17
S526	12	("20060092611" "20090015190" "20110194249" "20110261506" "20120087051" "20140160686" "4772999" "7724503" "8223476" "8659881" "8908354" "9042112").PN. OR ("9318882").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:17

S527	2	S526 and (caster\$1 or wheel\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:17
S528	2	S526 and (caster\$1 or wheel\$1 or roller\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:17
S529	16	("20040223301" "20050036248" "2885502" "3229058" "4482936" "4772999" "5481075" "6687970" "7023712" "7486499").PN. OR ("7724503").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:18
S530	7	S529 and (caster\$1 or wheel\$1 or roller\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:18
S531	19	("3288956" "3440371" "3474201" "4002864" "4002865" "4017698" "7019229").PN. OR ("7486499").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:24
S532	14	S531 and (caster\$1 or wheel\$1 or roller\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:26
S533	16	("20040223301" "20050036248" "2885502" "3229058" "4482936" "4772999" "5481075" "6687970" "7023712" "7486499").PN. OR ("7724503").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:27
S534	7	S533 and (caster\$1 or wheel\$1 or roller\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:27
S535	7	S530 S534	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:27
S536	12	("20040029617" "20070115616" "20140146486" "20140192455" "4772999" "4994940" "5563493" "5748464" "7304852" "7388348" "7511451" "8681479").PN.	US-PGPUB; USPAT	OR	OFF	2018/05/26 11:28
S537	2	"20140160686"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26 11:38
S538	227	("20020035853" "20020105793" "20020155302" "20020157199" "20030024274" "20030057183" "20030077453" "20030234771" "20040051944" "20040119701" "20040137828" "20040142118" "20040163414" "20050058423" "20050105071" "20050135724" "20050193772" "20050245165" "20050259438" "20050285991" "20060026521" "20060055936" "20060063351" "20060070694" "20060097991" "20060197753" "20060227331" "20060238695" "20060250559" "20060268528" "20060292822" "20070003796" "20070013822" "20070029519" "20070030436" "20070039353" "20070046200" "20070063876" "20070089827" "20070122542" "20070132737" "20070196578" "20070236618" "20080026260" "20080074028" "20080094716" "20080135175" "20080158181" "20080202167" "20080230177" "20080243321" "20080261057" "20080264176" "20080286548" "20090046240" "20090067141" "20090091551" "20090096937" "20090153729" "20090162703" "20090197048" "20090202808" "20090220761" "20090257189" "20090294420" "20090324899" "20090324939" "20100009154" "20100028607" "20100035038" "20100053632" "20100062284" "20100119846" "20100137031" "20100154992" "20100167059" "20100171920" "20100179044" "20100206008" "20100215862" "20100216514" "20100224767" "20100265188" "20100279067" "20100285275" "20100296027" "20100315570" "20100321305" "20110003619" "20110012873" "20110019123" "20110019354" "20110030209" "20110063550" "20110067447" "20110072856" "20110102346" "20110159321" "20110164372" "20110182084" "20110186345" "20110188846" "20110199687" "20110248152" "20110255000"	US-PGPUB; USPAT	OR	OFF	2018/05/26 11:44

		"20110255250" "20110267833" "20110279383" "20110300908" "20120018323" "20120020002" "20120027399" "20120069517" "20120099113" "20120105400" "20120118628" "20120135195" "20120136259" "20120151760" "20120188743" "20120196071" "20120202040" "20120236477" "20120236526" "20120281381" "20120328843" "20130071601" "20130083506" "20130182259" "20130213565" "20140176779" "20150077624" "20150331444" "3415637" "3441398" "3467508" "3498773" "3558415" "3607172" "3619240" "3626723" "3652244" "3753840" "3798013" "3843472" "3857689" "3951707" "4015045" "4119760" "4156755" "4165228" "4178082" "4212919" "4346601" "4353649" "4425810" "4646722" "4733973" "4842629" "4844724" "4846868" "4849002" "4872896" "4911743" "4937129" "4957364" "4959548" "4983197" "4986130" "5041173" "5104435" "5129934" "5157746" "5160523" "5254149" "5269888" "5281303" "5369267" "5411563" "5437193" "5445871" "5483261" "5488204" "5525138" "5625154" "5654057" "5725625" "5733622" "5766493" "5780371" "5816225" "5825352" "5826601" "5835079" "5880411" "5930047" "5953094" "5985014" "6050870" "6114039" "6120908" "6166915" "6188391" "6245313" "6287674" "6307590" "6310610" "6323846" "6325704" "6327011" "6350664" "6393180" "6429840" "6437867" "6516634" "6521862" "6621542" "6690387" "6718612" "6769274" "6810688" "6936741" "6955971" "6996324" "7012700" "7013709" "7015894").PN.				
S539	21	("7070837" "7166531" "7184064" "7461564" "7558054" "7626807" "7663607" "7810355" "7872644" "7918019" "8013834" "8110268" "8111248" "8312743" "8393175" "8551283" "8611077" "8673163" "8684613" "8824140" "9125298").PN.	US-PGPUB; USPAT	OR	OFF	2018/05/26; 11:44
S540	2	"20120020002"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:46
S541	4	("20120020002" "20120069517" "8551283" "8611077").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:47
S542	3	("20150077624" "20150331444" "9125298").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:47
S543	7	S541 S542	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:47
S544	72	("20040042168" "20050083308" "20050286214" "20060132644" "20060158839" "20070025072" "20070173299" "20080131683" "20080146293" "20080239647" "20080266766" "20080316117" "20090002930" "20090046072" "20090046240" "20090059485" "20090059502" "20090065136" "20090245564" "20090257207" "20100091442" "20100120480" "20100149410" "20100190530" "20100203924" "20110096483" "20110164365" "20110187245" "20110188180" "20110215685" "20120113611" "20120118628" "20120275088" "4403224" "4995941" "6058293" "6229993" "6266685" "6796708" "6876543" "6965789" "7236588" "7636244" "7697281" "7711256" "7872861" "7933123" "8004835" "D606539").PN. OR ("8551283").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/26; 11:50
S545	2	"20140160686"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27; 11:31
S546	1	"20040029617"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27; 12:02
S547	3	S545 S546	US-PGPUB; USPAT;	OR	OFF	2018/05/27; 12:02

			USOCR			
S548	1	"7724503".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:02
S549	2	"20140104759"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:04
S550	3	S546 S549	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:04
S551	1474	h05k5/0217.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:25
S552	1509	h05k5/0247.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:25
S553	503	h05k5/0234.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:25
S554	210	h02m7/42.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:25
S555	3749	h05k7/02,14,1401,1438,18,183,186.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:26
S556	675	361/601-603.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:26
S557	3	((("BIALEK") near3 ("THOMAS") near3 ("OWEN"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:26
S558	2	"20050111183"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:28
S559	2	"20170063102"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:28
S560	2	"20140101576"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:28
S561	6	S558 S559 S560	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:28
S562	834	((("NORTH") near3 ("Travis")) OR ((("TORRES") near3 ("Christopher")) OR ((("MORRISON") near3 ("John")))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/05/27 12:29
S563	22544	G06F1/20,203,206,1616.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:32
S564	6013	361/679.26,679.27,679.46,679.47,679.52,679.53,679.54.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/27 12:32
S565	6440	G06F1/16,1601.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28 02:00
S566	2745	h05k5/0017.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28 02:00
S567	314	a47b81/061,062,064,065.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28 02:00
S568	5194	361/679.55,679.56,679.02,679.04.ccls.	US-PGPUB;	OR	OFF	2018/05/28;

			USPAT; USOCR			02:00
S569	3006	248/917-924.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:00
S570	8986	S565 S566 S567	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:00
S571	7951	S568 S569	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:00
S572	826	S570 and (wall near mount\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:02
S573	521	S571 and (wall near mount\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:02
S574	476	S572 and (adjust\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:02
S575	349	S573 and (adjust\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:02
S576	17	S574 and (horizontal\$2 near4 guid\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:03
S577	10	S575 and (horizontal\$2 near4 guid\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:03
S578	24	S576 S577	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:03
S579	33	((("BRANDT") near3 ("Jamie")) OR (("SCHUH") near3 ("Mathew"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/05/28; 02:03
S580	4545	361/679.26,679.27,679.55.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:08
S581	3486	g06f1/16,1633.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:08
S582	7816	361/679.21-679.3,679.55,679.56.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:08
S583	0	S581 and (magnet\$1 near3 solder\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:09
S584	0	S582 and (magnet\$1 near3 solder\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:09
S585	1	S582 and (magnet\$1 near5 solder\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:09
S586	0	S581 and (magnet\$1 near5 solder\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:09
S587	328	S581 and ((hou\$3 or cas\$3 or enclosure or chassis) near2 (rotat\$4 or pivot\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:10
S588	1404	S582 and ((hou\$3 or cas\$3 or enclosure or chassis) near2 (rotat\$4 or pivot\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:10

S589	4	S587 and ((diffusion near bond\$3) or braz\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:11
S590	5	S588 and ((diffusion near bond\$3) or braz\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:11
S591	9	S589 S590	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:11
S592	4	S591 and solder\$	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:11
S593	21447	g06f1/1616,1618,162,1622,1624,1628,163,1633,169,1643.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:15
S594	13044	g06f1/20,203,206.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:15
S595	12966	361/679.4-679.44,679.37,679.21- 679.3,679.55,679.56,692,679.48,679.51.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:16
S596	191	((("OSBORNE") near3 ("Steven")) OR (("GIDDINGS") near3 ("Joss")) OR (("GARELLI") near3 ("Adam")) OR (("LEGGETT") near3 ("William")) OR (("MONTPLAISIR") near3 ("Sarah")) OR (("CORRIVEAU") near3 ("Eric")) OR (("EWING") near3 ("Tyler"))).INV.	US-PGPUB; USPAT; USOCR; EPO: JPO; DERWENT	OR	OFF	2018/05/28; 02:16
S597	33935	S593 S594	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:16
S598	17	S597 and (figure near eight)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:16
S599	8	S595 and (figure near eight)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:17
S600	0	S597 and ((first and second) near3 subchannels)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:17
S601	0	S595 and ((first and second) near3 subchannels)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:17
S602	4072170	S597 ad display	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:18
S603	24039	S597 and display	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:18
S604	8539	S595 and display	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:18
S605	7	S603 and (front near channel)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:18
S606	9	S604 and (front near channel)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:18
S607	14	S605 S606	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:19
S608	1	S607 and (center near channel)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:19
S609	22	S603 and (center near channel)	US-PGPUB; USPAT;	OR	OFF	2018/05/28; 02:19

			USOCR			
S610	13	S604 and (center near channel)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:19
S611	32	S609 S610	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:19
S612	0	S611 and subchannels	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:19
S613	17384	g06f1/1652,1626,1622,1681.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:20
S614	7816	361/679.21-679.3,679.55,679.56.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:20
S615	10560	455/575.1-575.9.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:20
S616	5974	349/56-60.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:20
S617	23359	S614 S615 S616	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:21
S618	3705	S613 and ((first and second) near3 (hous\$3 or enclosure\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:22
S619	5272	S617 and ((first and second) near3 (hous\$3 or enclosure\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:22
S620	2975	S618 and (hing\$4 or pivot\$4 or rotat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:22
S621	3831	S619 and (hing\$4 or pivot\$4 or rotat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:22
S622	763	S620 and ((flex\$4 or roll\$4 or bend\$4) near3 display\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:23
S623	252	S621 and ((flex\$4 or roll\$4 or bend\$4) near3 display\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:23
S624	619	S622 and coupl\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:25
S625	187	S623 and coupl\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:25
S626	31	S624 and ((plural\$3 or multiple\$1) near3 link\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:25
S627	5	S625 and ((plural\$3 or multiple\$1) near3 link\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:25
S628	56011	((plural\$3 or multiple\$1) near3 link\$4).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:26
S629	34	S626 S627	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:27
S630	34	S626 S627	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:27

S631	462505	"129" "130"	US-PGPUB; USPAT; USOCR	AND	OFF	2018/05/28; 02:28
S632	744	((("TURCHIN") near3 ("Kevin")) OR (("PELISSIER") near3 ("Gerald")) OR (("MORRISON") near3 ("John"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2018/05/28; 02:29
S633	29244	g06f1/1616,1637,1679,1681,1626,1632,1654,1669,1662,1618.cpc.	US-PGPUB; USPAT; USOCR	AND	OFF	2018/05/28; 02:31
S634	75	e05b65/0067.cpc.	US-PGPUB; USPAT; USOCR	AND	OFF	2018/05/28; 02:31
S635	10636	361/679.27,679.29,679.3,679.32- 679.39,679.55,679.56,679.57,679.58.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2018/05/28; 02:32
S636	552	"150151"	US-PGPUB; USPAT; USOCR	AND	OFF	2018/05/28; 02:32
S637	50	S633 S634	US-PGPUB; USPAT; USOCR	AND	OFF	2018/05/28; 02:32
S638	29269	S633 S634	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:32
S639	3407	S635 and ((display\$4) and (input\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:33
S640	18882	S638 and ((display\$4) and (input\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:33
S641	495	S639 and socket\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:33
S642	2095	S640 and socket\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:34
S643	469	S641 and (coupl\$3 or latch\$3 or lock\$3 or attach\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:34
S644	2000	S642 and (coupl\$3 or latch\$3 or lock\$3 or attach\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:34
S645	361	S643 and (rotat\$4 or hing\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:34
S646	1432	S644 and (rotat\$4 or hing\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:34
S647	107	S645 and dock\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:34
S648	544	S646 and dock\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:34
S649	5	S647 and ((first and second) near3 (operat\$3 near portion))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:35
S650	0	S648 and ((first and second) near3 (operat\$3 near portion))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:35
S651	3	S646 and ((first and second) near3 (operat\$3 near portion))	US-PGPUB; USPAT;	OR	OFF	2018/05/28; 02:35

			USOCR			
S652	19	S645 and ((first and second) near3 (operat\$3 near portion))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:35
S653	3	S644 and ((first and second) near3 (operat\$3 near portion))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:35
S654	19	S643 and ((first and second) near3 (operat\$3 near portion))	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:36
S655	1828515	(rotat\$4 or hing\$4 or pivot\$4).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:36
S656	369065	((display\$4) and (input\$4)).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/28; 02:37
S744	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:22
S745	1328	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:23
S746	1595	S744 S745	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:23
S747	17	S746 and (ultrasonic near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:23
S748	3	S746 and (ultrasonic near weld\$3).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:23
S749	14	("20100270052" "20130255875" "20130328741" "20130329359" "20130329396" "20130329450" "20140049911" "7582500" "7583500" "8138869" "8143983" "8223489" "8638549" "8797721").PN. OR ("10120409").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:23
S750	1	S749 and (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:24
S751	18	S746 and (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:33
S752	0	S751 not S746	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:33
S753	1	S751 not S747	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:33
S754	18	("20040018767" "20050041404" "20060067066" "20070134473" "20100099276" "3629787" "4695258" "4850883" "5920465" "6093054" "6690185" "6785144" "6835071" "7292459" "7371978" "7405867" "7525816").PN. OR ("8923003").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 07:33
S755	18	("20040018767" "20050041404" "20060067066" "20070134473" "20100099276" "3629787" "4695258" "4850883" "5920465" "6093054" "6690185" "6785144" "6835071" "7292459" "7371978" "7405867" "7525816").PN. OR ("8923003").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 08:58
S756	0	S755 and (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 08:58
S757	169	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02; 08:59

		or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$ or US-20090091881-\$ or US-20060117623-\$ or US-20140333831-\$ or US-20150192958-\$ or US-20150124401-\$ or US-20140352926-\$ or US-20160341486-\$ or US-20160236445-\$ or US-20180103557-\$ or US-20100053885-\$ or US-20150092343-\$ or US-20050111183-\$ or US-20020075643-\$ or US-20010046119-\$ or US-20140101576-\$ or US-20110198460-\$ or US-20040029617-\$ or US-20120118628-\$).did. or (US-20110188180-\$ or US-20090002930-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$ or US-9294597-\$ or US-9603271-\$ or US-7551432-\$ or US-9760117-\$ or US-6392883-\$ or US-5880929-\$ or US-5646822-\$ or US-6447945-\$).did. or (US-6097597-\$ or US-6069791-\$ or US-8405975-\$ or US-7086452-\$ or US-6816371-\$ or US-6324055-\$ or US-6266241-\$ or US-6078499-\$ or US-6031716-\$ or US-5910883-\$ or US-6987668-\$ or US-6833992-\$ or US-6474074-\$ or US-7552759-\$ or US-5383340-\$ or US-6377454-\$ or US-5847925-\$ or US-5634351-\$ or US-5606341-\$ or US-8893628-\$ or US-8596599-\$ or US-5537127-\$ or US-8665583-\$ or US-RE42091-\$ or US-7878476-\$ or US-6844865-\$ or US-7724503-\$).did. or (US-9318882-\$ or US-9203217-\$ or US-7486499-\$ or US-5481075-\$ or US-8551283-\$).did. or (US-3229058-\$ or US-2885502-\$).did.				
S758	0	S757 and (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:00
S759	0	S757 and (ultrasonic\$4 near4 weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:01
S760	1769	(snap\$4 near fit\$4) near4 (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:02
S761	1621	S760 and (hous\$3 or cas\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:02
S762	42	S761 and toe	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:02
S763	1325	(snap near fit) near4 (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:06
S764	886	(snap near fit) near2 (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:06

S765	1203	S763 and (hous\$3 or cas\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:06
S766	822	S764 and (hous\$3 or cas\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:06
S767	88	S765 and (electronic near device)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:07
S768	64	S766 and (electronic near device)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:07
S769	506	(snap near fit) near (ultrasonic\$4 near weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:07
S770	455	S769 and (hous\$3 or cas\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:07
S771	15	S770 and (electronic near device)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:07
S772	88	S767 S768 S771	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:07
S773	88	S767 S768	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:08
S774	73	S773 not S771	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:12
S775	1	"20160043357"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:17
S776	4	("2016/0043357").URPN.	USPAT	OR	OFF	2019/09/02 09:17
S777	0	S776 and (ultrasonic\$4 near4 weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:17
S778	0	S776 and (snap\$4 near fit\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:17
S779	2	"20100155490"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:25
S780	3	S767 and ((blood near sugar\$1) or diabet\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:43
S781	590	((("10067537") or ("20150169007") or ("8995125") or ("20140043744") or ("8971026") or ("20140016257") or ("20150153769") or ("10108223") or ("8730656") or ("20120120562") or ("20140218850") or ("9095044") or ("20150305175") or ("9313906") or ("20160200257") or ("20190135188") or ("10118560") or ("20020061736") or ("20110249856") or ("8594359") or ("7353003") or ("20050215907") or ("5536917") or ("5591364") or ("9229486") or ("20140254078") or ("20150059206") or ("10283898") or ("20190081431") or ("9700101") or ("8341832") or ("20180064212") or ("3934953") or ("8687359") or ("20190064877") or ("7517252") or ("20100091442") or ("6290551") or ("20140168877") or ("20080192425") or ("20160116947") or ("10152081") or ("20120030930") or ("20140140533") or ("20090247237") or ("8546702") or ("20160100887") or ("20180198895") or ("20120063115") or ("20130237289") or ("9756895") or ("10357078") or ("8049120") or ("20130213147") or ("20150313308") or ("9917934") or ("5712766") or ("20100079970") or ("20170340049") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:46

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 ("20170232177") or ("5115129") or ("20190124780") or
 ("20170340277") or ("9908156") or ("5846092") or

("20190090589") or ("20140217862") or ("10103423") or ("8915361") or ("20050145330") or ("20160303614") or ("20110002106") or ("20190097306") or ("20020001171") or ("20180292862") or ("20060283050") or ("7607243") or ("20190209087") or ("8015732") or ("8619067") or ("20110239488") or ("10092065") or ("20140218874") or ("20130286582") or ("20080019502") or ("20150289594") or ("20090313857") or ("20130247423") or ("9730338") or ("20130255875") or ("20130312291") or ("9215826") or ("8499476") or ("20180154404") or ("20170354292") or ("20080045065") or ("20150043141") or ("9274568") or ("9044898") or ("20140091336") or ("20150011914") or ("6422261") or ("20180139522") or ("7537461") or ("7568932") or ("20150077909") or ("20150201723") or ("9223345") or ("20150280312") or ("20120050958") or ("7596891") or ("20040075989") or ("20140049376") or ("20120176277") or ("10251601") or ("5045971") or ("20140265765") or ("9509813") or ("20170216668") or ("7535799") or ("20060163269") or ("8982547") or ("6124886") or ("20170035170") or ("7442048") or ("20070086273") or ("9680975") or ("6503585") or ("20050004603") or ("20040145904") or ("20110007468") or ("9782125") or ("9611881") or ("6509820") or ("20020191409") or ("8857078") or ("10219055") or ("8611077") or ("20150091418") or ("8637781") or ("20150289595") or ("5380226") or ("7407390") or ("9629418") or ("9032647") or ("8458929") or ("6587332") or ("20190083862") or ("7980009") or ("20140030476") or ("7829786") or ("6386742") or ("10053808") or ("8620162") or ("20110235281") or ("20040000838") or ("20170265583") or ("20080045050") or ("20180117296") or ("20130110017") or ("6800987") or ("20130104982") or ("8693204") or ("7326064") or ("20090250906") or ("8811003") or ("20080182436") or ("20170215524") or ("20140152890") or ("20070280053") or ("5669698") or ("20130343015") or ("20170152624") or ("20030040780").PN. or ("20160069507") or ("4245280") or ("20170352503") or ("20150129401") or ("20050141230") or ("6398446") or ("6877888") or ("20130105288") or ("20050221675") or ("20180237214") or ("10376018") or ("20150093924") or ("6314610") or ("9466927") or ("9042105") or ("4326242") or ("8226109") or ("7755975") or ("8926151") or ("20170346166") or ("20160312756") or ("20140302961") or ("20120087531") or ("7187974") or ("20030082441") or ("20070107733") or ("20050092877") or ("20090071748") or ("20190020102") or ("9779893") or ("20050254778") or ("20110237099") or ("9649733") or ("20100146766") or ("6803144") or ("20140274544") or ("10294016") or ("5320564") or ("20100061040") or ("9651999") or ("20090313853") or ("20070076387") or ("8506327") or ("7259967") or ("9469469") or ("20090241621") or ("20090260871") or ("8500467") or ("20180213310") or ("5165775") or ("20060079305") or ("20100061055") or ("20080118823") or ("20170152621") or ("20150246278") or ("20170152622") or ("5061209") or ("20080100521") or ("20140015976") or ("9166382") or ("20110076883") or ("20120050975") or ("7697281") or ("20180138004") or ("7869206") or ("20160198824") or ("8051855") or ("10341780") or ("7524206") or ("10129619") or ("9157515") or ("6751327") or ("20150283332") or ("5298347") or ("20140126118") or ("7347731") or ("20160079722") or ("9486956") or ("20180277936") or ("20180192202") or ("20190220065") or ("5186644") or ("20040127104") or ("7278445") or ("9867951") or ("20080115344") or ("9554639") or ("20160250713") or ("20180234594") or ("20160043357") or ("10325746") or ("20170152623") or ("20100126042") or ("20120256395") or ("20100061039") or ("10005611") or ("20050028404") or ("6199264") or ("20180085283") or ("6793537") or ("20160320658") or ("20190121391") or ("20190259556") or ("8250724") or ("20130021280") or ("10306114") or ("9751155") or ("8023261") or ("7513067") or ("20090067141") or ("20060091849") or ("20120031515") or ("20170070796") or ("20190268513") or ("9103427") or ("7523522") or ("20080089081") or ("20070015416") or ("5356316") or ("20150346782") or ("9022412") or ("20160270272") or ("20080076299") or ("20110050508") or

		("8638549" or ("9526287" or ("20160004951" or ("3998505" or ("20060130370" or ("8534887")).PN. or (("20190257019" or ("20080078051" or ("20100053907" or ("20040092203" or ("20020093830" or ("20160175550" or ("9454188" or ("8517186" or ("10036114" or ("7108409" or ("5008943" or ("9855474" or ("20150070219" or ("7838780" or ("8269677" or ("9607259" or ("9759937" or ("8472203" or ("9718357" or ("20160354658" or ("7255465" or ("20140268683" or ("20160363958" or ("6467942" or ("10120414" or ("20140063716" or ("10372166" or ("10162392" or ("20140028902" or ("7463734" or ("20140016303" or ("20170104901" or ("20110305875" or ("20150334860" or ("7914188" or ("20130329460" or ("20170027287" or ("9622556" or ("10070695" or ("5938478" or ("7320450" or ("20050078920" or ("7311428" or ("9421438" or ("20130016217" or ("20150167813" or ("9964266" or ("7842890" or ("5520775" or ("20060268561" or ("8047984" or ("20160096042" or ("20090141459" or ("7658521" or ("20170265584" or ("5432017" or ("9781846" or ("20180193577" or ("20100073851" or ("20090306468" or ("20110255850" or ("9506629" or ("9007748" or ("20140262848" or ("20130189024" or ("8267559" or ("8564961" or ("20140126117")).PN.				
S782	19	S781 and ((blood near sugar\$1) or diabet\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:55
S783	18	S782 and (ultrasonic\$4 near4 weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:56
S784	18	S783 and (snap\$4 near fit\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:56
S785	0	S784 and cgm	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:58
S786	0	S784 and tcgm	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:58
S787	0	S781 and tcgm	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:59
S788	0	S781 and cgm	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:59
S789	2	S763 and (cgm or tcgm)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:59
S790	2	S764 and (cgm or tcgm)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:59
S791	2	S789 S790	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:59
S792	2	S760 and (cgm or tcgm)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:59
S793	2	S789 S790 S791 S792	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 09:59
S794	5595	(continuous near glucose) near3 monitor\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 10:01
S795	145	S794 and (ultrasonic\$4 near4 weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 10:04
S796	38	S795 and (snap\$4 near fit\$4)	US-PGPUB;	OR	OFF	2019/09/02

			USPAT; USOCR			10:04
S797	5595	(continuous near glucose) near3 monitor\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 12:49
S798	145	S797 and (ultrasonic\$4 near4 weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 12:49
S799	82	S798 and ((first or second or top or bottom) near4 (hous\$3 or cas\$3 or enclosure or compartment))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 12:49
S800	49	S798 and (((first and second) or (top and bottom)) near4 (hous\$3 or cas\$3 or enclosure or compartment))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 12:50
S801	29	S798 and (((first and second) or (top and bottom)) near2 (hous\$3 or cas\$3 or enclosure or compartment))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 12:50
S802	18	S798 and (((first and second) or (top and bottom)) near (hous\$3 or cas\$3 or enclosure or compartment))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 12:50
S803	11	S801 not S802	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:03
S804	20	S800 not S801	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:03
S805	2	"20140194818"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:04
S806	22	("20010034502" "20030110595" "20040004680" "20040183511" "20070106218" "20070191702" "20080215035" "20090143735" "3631847" "3771694" "4498843" "4544369" "4657486" "5370622" "5472317" "5704223" "5957895" "6485461" "6589229" "6723072" "6740059" "7736344").PN. OR ("9669157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:11
S807	2	S806 and (ultrasonic\$4 near4 weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:12
S808	9	S806 and (snap or (snap near fit))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:15
S809	0	S798 and (force\$1 with (ultrasonic\$4 near4 weld\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:22
S810	0	S798 and (forc\$3 with (ultrasonic\$4 near4 weld\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:23
S811	105	S798 and (forc\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:23
S812	0	S798 and ((forc\$3) with weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:23
S813	17	S798 and ((forc\$3) same weld\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:23
S814	5	S798 and (forc\$3 same (ultrasonic\$4 near4 weld\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 13:23
S815	117	((("LIN") near3 ("Arthur")) OR (("FRICK") near3 ("Sean"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/02 14:34

S816	814	h05k5/0086.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 14:35
S817	775	h05k5/0004.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 14:35
S818	726	h05k5/069.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 14:35
S819	14689	a61b5/14532.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 14:36
S820	5	("20130128445" "5666261" "7582250" "20120327325" "5666261" "7580250").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/02 15:12
S821	3	("20090303322" "9397745" "9592895").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/03 01:26
S822	2	S821 and float\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:27
S823	2	S821 and float\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:27
S824	519	((("ALLEN") near3 ("Peter"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/03 01:31
S825	11644	g06f1/1681,1656.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:33
S826	4449	g06f21/86,88.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:33
S827	2143	e05b73/0082,00,0005.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:35
S828	1078	e05b65/006,0067.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:35
S829	503	e05b27/00.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:35
S830	0	a47f3/0002.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:35
S831	0	a47f7/025.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:35
S832	537	a47f7/024.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:35
S833	378	a47f3/002.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:36
S834	96	((("7315443") or ("20050248914") or ("7324333") or ("20060291158") or ("20060176661") or ("7724520") or ("20080232059") or ("7443665") or ("20040177658") or ("7499269") or ("20060291156") or ("7499270") or ("20060291157") or ("20060226742") or ("7578243") or ("5168427") or ("5924807") or ("5857568") or ("8250993") or ("20110146541") or ("6606241") or ("20030011978") or ("20120234055") or ("20120307448") or ("10125523") or ("8223488") or ("8677911") or ("6012788") or ("9562375") or ("20120236496") or ("8717758") or ("7658363") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:37

		("20190078355") or ("20170145719") or ("8837144") or ("9206626") or ("20120272693") or ("20150052957") or ("20160076276") or ("7506592") or ("20140238091") or ("8456836") or ("20050045072") or ("20120260698") or ("7828253") or ("20080001043") or ("20110170257") or ("20020157431") or ("20120201000") or ("7748667") or ("4978949") or ("5539615") or ("5629832") or ("20070290115") or ("8701452") or ("5196993") or ("20100326144") or ("20100079285") or ("6212921") or ("8139356") or ("20070159035") or ("20100284144") or ("6742366") or ("6626686") or ("20080035029") or ("6216499") or ("8459191") or ("20120127651") or ("8649169") or ("8025016") or ("20110297050") or ("5490036") or ("10303216") or ("20130148289") or ("8929065") or ("9310841") or ("20140168885") or ("6752477") or ("20150077928") or ("9098239") or ("5281958") or ("20150301562") or ("7360379") or ("7174752") or ("20030080655") or ("10067533") or ("20040261474") or ("20100012796") or ("5402150") or ("6298695") or ("9625081") or ("20100090075") or ("8783500") or ("20030057340") or ("20060285304") or ("6418759").PN.				
S835	2115	361/679.57-679.58.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:52
S836	11280	((("IN" near3 ("Woo")) OR (("PARK" near3 ("Doo")) OR (("LEE" near3 ("Woong")) OR (("LEE" near3 ("Jeong")) OR (("JUNG" near3 ("Sung")))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/03 01:56
S837	2095	H05K7/14,16,17,1427.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:57
S838	0	G02F1/13308.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:57
S839	5613	361/679.21-679.3.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:57
S840	2995	361/679.55-679.56.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:57
S841	7309	361/679.01-679.02.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 01:57
S842	593	H05K7/00.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:10
S843	7543	G02F1/133308.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:10
S844	19914	G02F1/133308,133512,133528.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:11
S845	115	((("20130170115") or ("20190056606") or ("10151938") or ("20190155061") or ("9398711") or ("20160291392") or ("20140139771") or ("20160093685") or ("9425418") or ("20180062094") or ("20160336523") or ("9812659") or ("20180219165") or ("20170194411") or ("9847506") or ("20160268546") or ("20180090713") or ("20160172623") or ("9379355") or ("20130170116") or ("9793334") or ("20160240602") or ("9748322") or ("20160093644") or ("9349758") or ("20170323934") or ("10068960") or ("20160181346") or ("9780157") or ("8717513") or ("20120327325") or ("9627463") or ("9985086") or ("20180233552") or ("20170179215") or ("20160155788") or ("9356087") or ("20160240605") or ("20160172427") or ("20170290106") or ("20180210279") or ("9980326") or ("10182474") or ("20160174304") or ("20180092166") or ("9706607") or ("20060077544") or ("10268065") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:12

		("20170237027") or ("10038154") or ("20160172428") or ("9287329") or ("20160190522") or ("9673423") or ("20190094603") or ("9690129") or ("20170192290") or ("10261353") or ("20180113353") or ("10206276") or ("9804430") or ("20180139838") or ("10121988") or ("20170248815") or ("20170162821") or ("9894755") or ("20160374191") or ("20150168767") or ("20160179257") or ("20180031898") or ("10036909") or ("20170192289") or ("9419065") or ("9991465") or ("20150055053") or ("20140042406") or ("20160315284") or ("20170289324") or ("10338423") or ("10171636") or ("20170344053") or ("20190018274") or ("20180123060") or ("9983714") or ("20110222220") or ("9535522") or ("20170371465") or ("20160179229") or ("8559192") or ("10304359") or ("20170075464") or ("9766737") or ("20160183399") or ("20190018275") or ("20180351117") or ("9276055") or ("9224793") or ("20160064466") or ("9818764") or ("20180097199") or ("9515099") or ("10381597") or ("20180331322") or ("20180151838") or ("20170077147") or ("20070195220") or ("9385175") or ("9999152") or ("9544994") or ("20170118859") or ("20140176850") or ("9768415") or ("20160087024") or ("20160035759") or ("20160285046").PN.				
S846	26	S845 AND (BLACK NEAR MATRIS3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:12
S847	6	((("BHATTACHARYYA" near3 ("Sampriti"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/03 02:52
S848	701	((("20190250672") or ("10316542") or ("20180340345") or ("20190169872") or ("10323433") or ("20190233060") or ("20190219026") or ("20180313109") or ("10094138") or ("20180187447") or ("20140071167") or ("9135731") or ("20190016419") or ("20120094561") or ("20180275313") or ("20110212691") or ("20160347426") or ("20060223394") or ("7247069") or ("20160257421") or ("20160257415") or ("9440749") or ("9452844") or ("20170251096") or ("20170029128") or ("8813669") or ("10384749") or ("20110162573") or ("9771160") or ("9746367") or ("20160097672") or ("9781248") or ("9881479") or ("20160012708") or ("7131876") or ("20180130333") or ("10242551") or ("20050254778") or ("20160114887") or ("7755975") or ("10321674") or ("9493235") or ("20080174478") or ("20170233043") or ("20180011390") or ("20130107031") or ("20160337618") or ("7298320") or ("9738355") or ("20130059489") or ("6844845") or ("20180091236") or ("20130187787") or ("20180013229") or ("20070076527") or ("20150011133") or ("20150353167") or ("20160207602") or ("9853744") or ("8851947") or ("9882305") or ("20020097157") or ("9120547") or ("9032891") or ("20140216325") or ("9162740") or ("10110323") or ("20130255560") or ("6545606") or ("20160325814") or ("20180013934") or ("20190230259") or ("20180013271") or ("10250783") or ("5283767") or ("20150116496") or ("20190135381") or ("20180186433") or ("20130005199") or ("8870614") or ("20150086337") or ("20180013272") or ("20180321033") or ("10118671") or ("20040092181") or ("7089876") or ("20050123161") or ("7187623") or ("20180206354") or ("20180072383") or ("20060026017") or ("20050213649") or ("9606220") or ("7263032") or ("20140266793") or ("20160041255") or ("20060206246") or ("20140044154") or ("10057676") or ("20170280228") or ("9037079") or ("10006897") or ("20190154439") or ("20050124234") or ("20190072951") or ("20190118588") or ("20140238762") or ("10281915") or ("20190135393") or ("4919637") or ("20150298783") or ("20110201238") or ("20190129426") or ("20120000409") or ("10107907") or ("20170227638") or ("20170205536") or ("9718528") or ("9352236") or ("8951079") or ("20050016430") or ("20120225598") or ("9729253") or ("20130128689") or ("20160119065") or ("20180222560") or ("20170297669") or ("8398446").PN. or ("20180335780") or ("20100041285") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:53

("8104420") or ("20050208844") or ("20190064348") or
 ("20110095914") or ("20160075420") or ("20170168174") or
 ("20110011323") or ("20180154993") or ("20040015277") or
 ("20130201316") or ("8531316") or ("20170102450") or
 ("8123577") or ("20120214363") or ("20140273676") or
 ("10168701") or ("5806232") or ("9725149") or ("9180937") or
 ("6778388") or ("6854406") or ("7483337") or ("20080008045") or
 ("20130239863") or ("20170089768") or ("10011152") or
 ("20040083940") or ("20170016874") or ("20020083880") or
 ("20160246299") or ("20170038771") or ("8814616") or
 ("20170023676") or ("9891620") or ("20180034912") or
 ("10250337") or ("20120118213") or ("20170078400") or
 ("20180375940") or ("10054684") or ("10184928") or ("8443750")
 or ("20130118550") or ("20180284762") or ("10386834") or
 ("20190069496") or ("20180343304") or ("10011352") or
 ("20190098090") or ("8627593") or ("20190109904") or
 ("20180278694") or ("20180278693") or ("9730433") or
 ("20170331899") or ("20180124181") or ("20130110329") or
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S849	7309	361/679.01,679.02.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:53
S850	5805	G06F1/165,181,182.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:53
S851	2611	H04W4/38.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:53
S852	414	B63B22/00.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:54
S853	1269	H02S20/00.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:54
S854	20616	H04L67/12.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:54
S855	386	S848 AND (WATERPROOF OR (WATER NEAR PROOF))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:56
S856	354	S848 AND (WATERPROOF OR (WATER NEAR P41 and float\$4ROOF))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:56
S857	241	S855 and float\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:57
S858	193	S857 and (wireless or (wire near less))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:57
S859	190	S858 and (radio\$1 or telecommunication\$1 or transceiver\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:58

S860	128	S859 and (memory and processor\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 02:58
S861	1440	361/679.41-679.45.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:25
S862	9627	G06F1/1632,1654.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:25
S863	9775	A61B5/002,7275,7445.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:26
S864	153	((("ESLAVA") near3 ("Juan")) OR ((("LUND") near3 ("Peter")))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/03 03:26
S865	1693	((("20190250664") or ("10271031") or ("20150288942") or ("20170222681") or ("9787346") or ("8041873") or ("20090157939") or ("20080244149") or ("8977797") or ("7676624") or ("20100174844") or ("7818487") or ("8234436") or ("20130024596") or ("8756359") or ("20130097352") or ("20130198430") or ("9703750") or ("8626977") or ("9529768") or ("20110208893") or ("20150026373") or ("20180248406") or ("20150296104") or ("9549478") or ("20140195713") or ("20160249468") or ("20100165188") or ("8525925") or ("8934226") or ("20130128110") or ("20140002725") or ("9712728") or ("20140270687") or ("8477238") or ("20160124569") or ("20140320696") or ("20170171371") or ("20180091707") or ("8773581") or ("9019397") or ("9681028") or ("9588550") or ("9619201") or ("20140253868") or ("6741287") or ("10116776") or ("20150092326") or ("20170251315") or ("20050195575") or ("20160202734") or ("20160320808") or ("7146446") or ("20190260862") or ("20120105740") or ("10120646") or ("20090167634") or ("7826205") or ("10033848") or ("20050246469") or ("20060249507") or ("7376779") or ("20100134964") or ("20070247800") or ("20060230296") or ("20160191682") or ("20180247582") or ("20120268878") or ("20060229740") or ("9591113") or ("7652888") or ("20060230297") or ("20120133591") or ("20190007816") or ("20180307333") or ("20170126268") or ("20150237750") or ("9838064") or ("20170272113") or ("20130194425") or ("20170214783") or ("8508593") or ("20160072327") or ("20190239769") or ("9819850") or ("20180112819") or ("10178462") or ("20160277649") or ("20180048953") or ("10333576") or ("20160373870") or ("20080030311") or ("20180159580") or ("20070088249") or ("7553291") or ("20160313764") or ("9529769") or ("20150353026") or ("20160104987") or ("20140063734") or ("20170047765") or ("9256254") or ("20130033599") or ("20190183435") or ("5941846") or ("9883273") or ("20170244822") or ("10340723") or ("9007447") or ("10268239") or ("20180059810") or ("20050116943") or ("8194132") or ("20060098403") or ("20120120581") or ("7074205") or ("9192084") or ("20160179744") or ("20170235341") or ("20050204083") or ("10324539") or ("9637051") or ("20170153672") or ("10289163") or ("20030214799") or ("20060230298") or ("20180297521") or ("20170011210")).PN. or ((("8262560") or ("8717755") or ("20090167632") or ("9600027") or ("20150309537") or ("7363416") or ("8044329") or ("5225816") or ("20170244823") or ("20170102767") or ("20030115591") or ("20140028841") or ("20190004764") or ("20160162241") or ("10015303") or ("20080117578") or ("10168772") or ("20050174729") or ("20170205854") or ("20150181772") or ("7027310") or ("20190018453") or ("20160098082") or ("8000090") or ("20080204359") or ("20160349800") or ("20190221144") or ("20170251561") or ("20170134653") or ("8405726") or ("10022272") or ("20080149796") or ("20130314300") or ("20120224065") or ("20160026423") or ("20180046422") or ("9880617") or ("20160097629") or ("20140253730") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:27

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		(("20150156379") or ("10157298") or ("20170080876") or ("20160066857") or ("20150349537") or ("5657004") or ("9373463") or ("20160275770") or ("20170238087") or ("9225813") or ("10215351") or ("20110267758") or ("20130168445") or ("20100145146")).PN. or ("8289114") or ("5808289") or ("20170086747") or ("8364866") or ("9170625") or ("20130120106") or ("20030193562") or ("20090292851") or ("20170115713") or ("20170295347") or ("9101083") or ("10171976") or ("8688037") or ("20150268205") or ("9693024") or ("20030050654") or ("6062478") or ("20130176626") or ("20160021475") or ("20190029135") or ("20020122583") or ("20180296067") or ("7860643") or ("20170090514") or ("20130063873") or ("20180168763") or ("9294830") or ("20150257903") or ("10048088") or ("20160094051") or ("20160183768") or ("20140063821") or ("9372477") or ("20180239574") or ("8397982") or ("9475531") or ("20080146922") or ("20170293272") or ("20100081473") or ("20170294113") or ("9737212") or ("7204425") or ("8242868") or ("9442346") or ("20020033946") or ("7733633") or ("20030222848") or ("20190056047") or ("20070086153") or ("10178357") or ("20170205923") or ("5765565") or ("7777639") or ("7637674") or ("9918541") or ("20180341290") or ("20170038641") or ("20160126761") or ("20170337430") or ("20070188603") or ("10367270") or ("20160365064") or ("20080252798") or ("20190229771") or ("20180081370") or ("20180095299") or ("20070056781") or ("20140326497") or ("20170222459") or ("8185084") or ("9122456") or ("9928713") or ("20100090680") or ("8665045") or ("20080104716") or ("20180145485") or ("7976778") or ("20190130822") or ("10191289") or ("20180150032") or ("9726919") or ("20190026871") or ("20110077557") or ("10277785") or ("20070299350") or ("20180201190") or ("20180188543") or ("20070275783") or ("10051096") or ("20180267584") or ("8462103") or ("10039438") or ("20160110977") or ("9886832") or ("20090216105") or ("10180591") or ("20120068798") or ("20100142139") or ("20160216739") or ("20130232571") or ("7484702") or ("20190209080") or ("9116137") or ("20180123224") or ("9381099") or ("20190229650") or ("20170345536") or ("20150190094") or ("8494585") or ("20180343403") or ("20170118789") or ("20070184704") or ("20180012089") or ("10355415") or ("20130027404") or ("20150103018") or ("20140247152") or ("20140172245") or ("8203832") or ("8935774") or ("8086874") or ("20080266080") or ("20130232350") or ("20150227245") or ("20160134841") or ("9778235") or ("5949388") or ("20130061504")).PN. or ("20190258291") or ("20130170013") or ("20180334216") or ("20170151071") or ("20120120239") or ("20150061589") or ("10289085") or ("8651368") or ("20180008016") or ("8385822") or ("10157538") or ("20160094700") or ("20070103835") or ("10101846") or ("20170098435") or ("20140069794") or ("9848756") or ("20120130590")).PN.				
S866	309	S865 AND ((first and second) near (monitor\$1 or display\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:28
S867	0	S866 AND ((first and second and third) near (couplind))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:29
S868	0	S865 AND ((first and second and third) near (couplind))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:29
S869	52	S865 AND ((first and second and third) near (coupling))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:29
S870	7	S866 AND ((first and second and third) near (coupling))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:29
S871	3429	G06f1/1647,1654.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:31

S872	1282	G06f1/1654.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:31
S873	69	S866 AND ((first and second) near (coupling))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:31
S874	3802	"736" AND ((first and second) near (monitor\$1 or display\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:32
S875	69	S873 AND ((first and second) near (monitor\$1 or display\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 03:32
S876	424	((cold near plate\$1) with (plastic\$1 or polymer\$2))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:31
S877	502	((cold near plate\$1) with (plastic\$1 or polymer\$2 or resin\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:31
S878	122	S877 and ((metaliz\$3) or ((metal) near (plat\$3 or coat\$3 or layer\$3)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:32
S879	52	S878 and (fluid\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:33
S880	12	S879 and (inlet\$1 and outlet\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:33
S881	17	S878 and (inlet\$1 and outlet\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:33
S882	1	S881 and EMI	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:34
S883	7	S879 and EMI	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:34
S884	9	S878 and EMI	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:34
S885	20	S878 and (shield\$3 or EMI)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:52
S886	8	S879 and (shield\$3 or EMI)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:52
S887	1	S881 and (shield\$3 or EMI)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 09:52
S888	1	"4453911".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 10:01
S889	34	("4266604" "4420739" "4758926" "4939624" "4989070" "5005640" "5014904" "5043797" "5099311" "5111280" "5453911" "5636684" "5973261" "6039114").PN. OR ("6230791").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 10:04
S890	30	("20050104027" "20100302734" "20110103021" "20140347817" "20150007965" "20150022975" "20150208549" "20150289413" "20150348869" "5316075" "6064572" "6320257" "7360582" "7588074" "8006746" "8199505" "8232637" "8391008" "8413712" "8427832" "8659896" "8786078" "8981556" "8982558" "9099295" "9131631" "9313923" "9513675" "9646935" "9716018").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/03 10:25
S891	13	S889 and (emi or interference)	US-PGPUB; USPAT;	OR	OFF	2019/09/03 10:26

S892	18	S889 and ((plastic\$1 and metal\$1) or (conductive and ((nonconductive or (non near conductive))))	USOCR US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 10:27
S893	3	"20150138723"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 13:18
S894	701	(("20190250672") or ("10316542") or ("20180340345") or ("20190169872") or ("10323433") or ("20190233060") or ("20190219026") or ("20180313109") or ("10094138") or ("20180187447") or ("20140071167") or ("9135731") or ("20190016419") or ("20120094561") or ("20180275313") or ("20110212691") or ("20160347426") or ("20060223394") or ("7247069") or ("20160257421") or ("20160257415") or ("9440749") or ("9452844") or ("20170251096") or ("20170029128") or ("8813669") or ("10384749") or ("20110162573") or ("9771160") or ("9746367") or ("20160097672") or ("9781248") or ("9881479") or ("20160012708") or ("7131876") or ("20180130333") or ("10242551") or ("20050254778") or ("20160114887") or ("7755975") or ("10321674") or ("9493235") or ("20080174478") or ("20170233043") or ("20180011390") or ("20130107031") or ("20160337618") or ("7298320") or ("9738355") or ("20130059489") or ("6844845") or ("20180091236") or ("20130187787") or ("20180013229") or ("20070076527") or ("20150011133") or ("20150353167") or ("20160207602") or ("9853744") or ("8851947") or ("9882305") or ("20020097157") or ("9120547") or ("9032891") or ("20140216325") or ("9162740") or ("10110323") or ("20130255560") or ("6545606") or ("20160325814") or ("20180013934") or ("20190230259") or ("20180013271") or ("10250783") or ("5283767") or ("20150116496") or ("20190135381") or ("20180186433") or ("20130005199") or ("8870614") or ("20150086337") or ("20180013272") or ("20180321033") or ("10118671") or ("20040092181") or ("7089876") or ("20050123161") or ("7187623") or ("20180206354") or ("20180072383") or ("20060026017") or ("20050213649") or ("9606220") or ("7263032") or ("20140266793") or ("20160041255") or ("20060206246") or ("20140044154") or ("10057676") or ("20170280228") or ("9037079") or ("10006897") or ("20190154439") or ("20050124234") or ("20190072951") or ("20190118588") or ("20140238762") or ("10281915") or ("20190135393") or ("4919637") or ("20150298783") or ("20110201238") or ("20190129426") or ("20120000409") or ("10107907") or ("20170227638") or ("20170205536") or ("9718528") or ("9352236") or ("8951079") or ("20050016430") or ("20120225598") or ("9729253") or ("20130128689") or ("20160119065") or ("20180222560") or ("20170297669") or ("8398446").PN. or ("20180335780") or ("20100041285") or ("8104420") or ("20050208844") or ("20190064348") or ("20110095914") or ("20160075420") or ("20170168174") or ("20110011323") or ("20180154993") or ("20040015277") or ("20130201316") or ("8531316") or ("20170102450") or ("8123577") or ("20120214363") or ("20140273676") or ("10168701") or ("5806232") or ("9725149") or ("9180937") or ("6778388") or ("6854406") or ("7483337") or ("20080008045") or ("20130239863") or ("20170089768") or ("10011152") or ("20040083940") or ("20170016874") or ("20020083880") or ("20160246299") or ("20170038771") or ("8814616") or ("20170023676") or ("9891620") or ("20180034912") or ("10250337") or ("20120118213") or ("20170078400") or ("20180375940") or ("10054684") or ("10184928") or ("8443750") or ("20130118550") or ("20180284762") or ("10386834") or ("20190069496") or ("20180343304") or ("10011352") or ("20190098090") or ("8627593") or ("20190109904") or ("20180278694") or ("20180278693") or ("9730433") or ("20170331899") or ("20180124181") or ("20130110329") or ("20190052942") or ("20110138675") or ("20020122353") or ("6157621") or ("10195629") or ("6662742") or ("6684556") or ("6614722") or ("6986320") or ("20140059979") or ("20050204992") or ("9457900") or ("20040120219") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:19

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S896	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:23
S897	1334	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:23
S898	1601	S896 S897	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:23
S899	108	((("CHANG" near3 ("Cheng-Wen")) OR (("TSAI" near3 ("CHEN-YU")) OR (("WANG" near3 ("CHUN-YUAN")) OR (("LEE" near3 ("CHENG-YI")))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/03 14:24
S900	3711	g06f1/1652.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:24
S901	13300	g06f1/1626.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:24
S902	707	S900 and S901	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:24
S903	140	S898 and ((display\$3) near2 (flex\$4 or bend\$4 or roll\$4 or	US-PGPUB;	OR	OFF	2019/09/03

		wind\$4))	USPAT; USOCR			14:25
S904	623	S902 and ((display\$3) near2 (flex\$4 or bend\$4 or roll\$4 or wind\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:25
S905	1	("0000112").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/03 14:26
S906	0	"2070013705"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:27
S907	2	"20170013705"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:27
S908	5118	h05k5/0017,0217.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:31
S909	1112	g09f9/301.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:31
S910	1192	h04m1/0268.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:31
S911	4	("20100182288" "20110132557" "20130234951" "20140247544").PN. OR ("10101019").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:32
S912	2	"20100182288"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:39
S913	1	"20110132557"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:39
S914	1	"20130234951"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:39
S915	23	("8009422").URPN.	USPAT	OR	OFF	2019/09/03 14:40
S916	37	("20010008582" "20030048256" "20030160892" "20040052044" "20040183958" "20060209218" "20070241002" "6016176" "6269225" "6424387" "6762929" "6873315" "7184086" "7667962").PN. OR ("8009422").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:40
S917	4	("20100182288" "20110132557" "20130234951" "20140247544").PN. OR ("10101019").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:40
S918	30	("2014/0247544").URPN.	USPAT	OR	OFF	2019/09/03 14:40
S919	11	("2013/0234951").URPN.	USPAT	OR	OFF	2019/09/03 14:40
S920	5	("2011/0132557").URPN.	USPAT	OR	OFF	2019/09/03 14:41
S921	5	("2011/0132557").URPN.	USPAT	OR	OFF	2019/09/03 14:41
S922	69	S915 S916 S917 S918 S919 S920 S921	USPAT	OR	OFF	2019/09/03 14:41
S923	80	S915 S916 S917 S918 S919 S920 S921	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:41
S924	15	("20070241002" "20080247126" "20100134873" "20100246113" "20110043976" "20120002357" "20130127799" "20140035869" "20140247544" "20160029474" "20170031387" "7710370" "8289232" "9766660" "9817443").PN. OR ("10390443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:45
S925	93	S923 S924	US-PGPUB; USPAT;	OR	OFF	2019/09/03 14:49

			USOCR			
S926	133	S903 not S925	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:50
S927	9	S926 and gear\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/03 14:51
S928	2	"20050168935"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/09 14:16
S929	1	("20150223355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 10:00
S930	25	("20070064542" "20120092822" "20040023556" "9367087" "D641349" "D752583" "D760717" "20160066859" "20110053666" "D755178" "20150126117" "5889737" "20150223033" "20150334772" "D733142" "D743278" "D745515" "D750625" "8787006" "20130040610" "20150212541" "20150223034" "D761262" "20150223355" "20150333302").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 10:00
S931	17	("20070064542" "20120092822" "20040023556" "D641349" "20110053666" "20150126117" "5889737" "20150223033" "20150334772" "D733142" "D743278" "D745515" "20150212541" "20130040610" "20150223034" "5008864" "20150333302").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 10:01
S932	26	S929 S930 S931	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 10:01
S933	10	"7656671"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 11:28
S934	1	"7656671".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 11:29
S935	1	"6654241".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 11:29
S936	2	S934 S935	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 11:29
S937	1	"20030063432"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 11:44
S938	1	"20170017273"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/13 11:55
S939	8779	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:01
S940	1898	g06f1/1613.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:01
S941	6154	S939 and (connector\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:01
S942	18	S941 and (float\$3 near state)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:02
S943	55	S939 and (float\$3 near3 connector\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:02
S944	55	S943 not S942	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:02

S945	2	(("10409328") or ("20180373290")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:07
S946	305	(("10409328") or ("20180373290") or ("20190011951") or ("20190094907") or ("20050018389") or ("6950301") or ("20130335914") or ("4137587") or ("20170344060") or ("10007298") or ("20180335799") or ("20190196544") or ("10386886") or ("10001811") or ("20190196543") or ("20180196469") or ("10082827") or ("20180196468") or ("10185355") or ("20180217636") or ("9763362") or ("20100265652") or ("6833988") or ("9778695") or ("20040061996") or ("20070043959") or ("10067536") or ("20190041916") or ("10289165") or ("7380143") or ("5396400") or ("20180307274") or ("10185359") or ("4978949") or ("20160261129") or ("10027149") or ("9509087") or ("20080153331") or ("20140106829") or ("20050111187") or ("20170168377") or ("5552959") or ("7435114") or ("10133160") or ("20180074548") or ("20040264123") or ("7364447") or ("9915977") or ("7079392") or ("20070025095") or ("20050020906") or ("7453707") or ("7180753") or ("5313596") or ("20110117833") or ("8634883") or ("6272005") or ("5030128") or ("5138529") or ("20160161026") or ("20070009345") or ("5218760") or ("20140369793") or ("6142593") or ("8821099") or ("20170344059") or ("9383038") or ("9798357") or ("20140092546") or ("20160124465") or ("6592041") or ("6447314") or ("20060256515") or ("5991838") or ("7466557") or ("9235237") or ("20080232057") or ("10401925") or ("5452180") or ("10037055") or ("20170147037") or ("20190009663") or ("20050026499") or ("20090247246") or ("20170118860") or ("20110286171") or ("20180052498") or ("9990007") or ("20120320514") or ("20180291580") or ("20190242084") or ("20040066620") or ("20060012965") or ("20180196467") or ("8068887") or ("6216999") or ("10228722") or ("20160278231") or ("20160231779") or ("9600031") or ("20080024975") or ("5199892") or ("8274784") or ("7551426") or ("8879250") or ("20170334279") or ("7203067") or ("20120194993") or ("9921621") or ("10264696") or ("20090047824") or ("20190146556") or ("20120293718") or ("6301116") or ("8498109") or ("10409332") or ("10112471") or ("20120182675") or ("20100014226") or ("4986763") or ("8475214") or ("20150129526") or ("20080245934") or ("5019465") or ("20170160773") or ("20120293716") or ("9904335") or ("20140160657") or ("9665125") or ("20140160656") or ("20170160772")).PN. or ("20160109905") or ("9280179") or ("8752996") or ("9229477") or ("20150277491") or ("8811007") or ("7297015") or ("6049454") or ("9161625") or ("20060169961") or ("20060060688") or ("20160195898") or ("4958889") or ("7226041") or ("5267811") or ("20070168593") or ("7280854") or ("9588548") or ("20050287852") or ("7364110") or ("7697282") or ("5588782") or ("5978569") or ("10133313") or ("20060171791") or ("9422015") or ("20080014038") or ("7471511") or ("20190173067") or ("8688884") or ("20120173784") or ("20070277186") or ("20030199195") or ("20020089822") or ("20130016463") or ("6239969") or ("20120188691") or ("20100159743") or ("20120057286") or ("7779434") or ("7270508") or ("8625273") or ("20110005846") or ("20160268823") or ("20150271945") or ("20040212958") or ("5828341") or ("6773272") or ("6522532") or ("20140069710") or ("7012806") or ("8128431") or ("8413752") or ("20120169942") or ("20090296277") or ("5196993") or ("20060067044") or ("6693868") or ("6807055") or ("20080287005") or ("10054950") or ("20140268095") or ("9370121") or ("9450362") or ("20160357229") or ("20020048151") or ("20150288091") or ("4092755") or ("20080192435") or ("20110310582") or ("20180024589") or ("6229708") or ("6510051") or ("20020030970") or ("10133277") or ("10180701") or ("9463962") or ("3679074") or ("20010021155") or ("9680253") or ("20180049340") or ("8807805") or ("20130322011") or ("5997323") or ("20060265732") or ("8976513") or ("7928358") or ("5745341") or ("20080094809") or ("20020126589") or ("9152187") or ("10285293") or ("20120151098") or ("20180024590") or ("8986029") or ("7613006") or ("8043122") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:07

		("10228724") or ("3735879") or ("5390104") or ("9886069") or ("20130050934") or ("20060236329") or ("8741472") or ("5028025") or ("20040165348") or ("7006410") or ("20050185555") or ("8508928") or ("20140277688") or ("20050185554") or ("20130271905") or ("10314754") or ("6493220") or ("20150185776") or ("20130340167") or ("8842428") or ("9663977") or ("9266690") or ("9385468") or ("7234149") or ("20150185777") or ("20160278232") or ("9593510") or ("20140168932") or ("20130134702") or ("20160057887") or ("7020059") or ("7597290") or ("20150185709") or ("20070132204") or ("20110069441") or ("20160057885").PN. or ("20080102907") or ("20050211869") or ("20120082876") or ("20100049152") or ("7012868") or ("8608207") or ("20130005161") or ("9435500") or ("6721178") or ("6119237") or ("8740866") or ("20050213298") or ("20160050795") or ("20010030851") or ("20080049389") or ("20170280584") or ("20150185774") or ("7092258") or ("20050057912") or ("5769646") or ("6574102") or ("20140124339") or ("20170047683") or ("8485287") or ("8800695") or ("10152092") or ("9807902") or ("20160145059") or ("20040233799") or ("6084747") or ("20130105233") or ("20150304599") or ("7360660") or ("9504181") or ("20100263948") or ("20150192957") or ("9736961") or ("8327960") or ("9656704") or ("20170102741") or ("20150360886").PN.				
S947	13	("10074935" "20020159231" "20110095724" "20160062399" "20160062400" "20160349793" "20170153667" "20170208697" "20170285689" "20180364756" "6280212" "6768637" "9915977").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:08
S948	16	("20090269977" "20130005179" "20130295796" "20160111804" "3573716" "5161997" "5366388" "5658154" "5876246" "6887098" "7303432" "8932071" "8968031" "9502827").PN. OR ("10074935").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:19
S949	16	("20040223293" "20060082965" "20060092605" "20060139875" "20070115628" "20070297130" "20120218722" "20140347815" "20150268695" "6069790" "7381079" "7633750" "8792234" "9003626" "9326397").PN. OR ("9915977").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:22
S950	0	"2070302024"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:27
S951	1	"20170302024"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:27
S952	12	("20100081377" "6549416").PN. OR ("9429994").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:33
S953	19	("20110164375" "20110278885" "20120229974" "20120293949" "20130050933" "20130058036" "20140073178" "20140118923" "20140223065" "20150137762" "20170153667" "20170208697" "20180152033" "20180229363" "20180364756" "5864294" "9420085" "9429994" "9740240").PN. OR ("10324495").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:37
S954	12	("20100081377" "6549416").PN. OR ("9429994").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:44
S955	216	S946 and (dock\$4 or expan\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:45
S956	17	S955 and ((float\$3 near3 connector\$1) or (float\$3 near state))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:46
S957	179	S955 and (connector\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 11:46
S958	215	S955 and (connect\$3)	US-PGPUB; USPAT;	OR	OFF	2019/09/15 11:46

			USOCR			
S959	26	("10007298" "20020105783" "20030128506" "20030202323" "20040080909" "20040120112" "20050047104" "20050128687" "20050146849" "20060126290" "20100002371" "20100265652" "20120218722" "20140153162" "20140285963" "20160209872" "20180373290" "20190011951" "5030128" "6115246" "6556436" "6898079" "6934151" "7038908" "7142421" "7381079").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:12
S960	10	("20120155014" "20120293949" "20130080713" "20140321049" "20160320801" "20170115695" "20170160772" "20170302024" "20180364756" "5829997").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:13
S961	36	S959 S960	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:13
S962	2	"20180373290"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:33
S963	1	"20170302024"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:35
S964	11	("20160069507" "20160072327" "8508932" "20120162902" "5862036" "20150331452" "20150043154" "20160091925" "20140223065" "20150043154" "20150331452" "20120045931" "20160072327" "8508932" "20160069507" "20150277491" "20160091925" "20140223065").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:35
S965	253	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$ or US-20090091881-\$ or US-20060117623-\$ or US-20140333831-\$ or US-20150192958-\$ or US-20150124401-\$ or US-20140352926-\$ or US-20160341486-\$ or US-20160236445-\$ or US-20180103557-\$ or US-20100053885-\$ or US-20150092343-\$ or US-20050111183-\$ or US-20020075643-\$ or US-20010046119-\$ or US-20140101576-\$ or US-20110198460-\$ or US-20040029617-\$ or US-20120118628-\$).did. or (US-20110188180-\$ or US-20090002930-\$ or US-20140304891-\$ or US-20160043357-\$ or US-20150246176-\$ or US-20110169956-\$ or US-20140266760-\$ or US-20100155490-\$ or US-20100110274-\$ or US-20060047287-\$ or US-20180117296-\$ or US-20090275815-\$ or US-20140069432-\$ or US-20120092264-\$ or US-20120095398-\$ or US-20180093038-\$ or US-20170290534-\$ or US-20170290533-\$ or US-20160058380-\$ or US-20120277667-\$ or US-20110106126-\$ or US-20170290546-\$ or US-20140194818-\$ or US-20150138723-\$ or US-20110132557-\$ or US-20100182288-\$ or US-20120002357-\$).did. or (US-20130058021-\$ or US-20180364756-\$ or US-20170153667-\$ or US-20160062400-\$ or US-20160062399-\$ or US-20110095724-\$ or US-20130005179-\$ or US-20150268695-\$ or US-20170302024-\$ or US-20150103483-\$ or US-20130002193-\$ or US-20170208697-\$ or US-20140118923-\$ or US-20140073178-\$ or US-20130058036-\$ or US-20130050933-\$ or US-20190094907-\$ or US-20170344060-\$ or US-20170344059-\$ or US-20140092546-\$ or US-20150185777-\$ or US-20140069710-\$ or US-20130050934-\$ or US-20130016463-\$ or US-20160091925-\$ or US-20150331452-\$ or US-20170160772-\$).did. or (US-20170115695-\$ or US-20160320801-\$ or US-20140321049-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:47

		6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$ or US-9294597-\$ or US-9603271-\$ or US-7551432-\$ or US-9760117-\$ or US-6392883-\$ or US-5880929-\$ or US-5646822-\$ or US-6447945-\$).did. or (US-6097597-\$ or US-6069791-\$ or US-8405975-\$ or US-7086452-\$ or US-6816371-\$ or US-6324055-\$ or US-6266241-\$ or US-6078499-\$ or US-6031716-\$ or US-5910883-\$ or US-6987668-\$ or US-6833992-\$ or US-6474074-\$ or US-7552759-\$ or US-5383340-\$ or US-6377454-\$ or US-5847925-\$ or US-5634351-\$ or US-5606341-\$ or US-8893628-\$ or US-8596599-\$ or US-5537127-\$ or US-8665583-\$ or US-RE42091-\$ or US-7878476-\$ or US-6844865-\$ or US-7724503-\$).did. or (US-9318882-\$ or US-9203217-\$ or US-7486499-\$ or US-5481075-\$ or US-8551283-\$ or US-8792955-\$ or US-7946984-\$ or US-8277713-\$ or US-6589229-\$ or US-6196307-\$ or US-5349498-\$ or US-4930317-\$ or US-9901013-\$ or US-10390443-\$ or US-9743542-\$ or US-10101019-\$ or US-9911369-\$ or US-9629237-\$ or US-9756757-\$ or US-9519313-\$ or US-8654519-\$ or US-8526109-\$ or US-5504649-\$ or US-10074935-\$ or US-9915977-\$ or US-10348035-\$ or US-9429994-\$).did. or (US-5552959-\$ or US-5182698-\$ or US-5292267-\$ or US-10324495-\$ or US-5864294-\$ or US-5452180-\$ or US-5199892-\$).did. or (US-3229058-\$ or US-2885502-\$).did.				
S966	12	S965 and ((float\$3 near3 connector\$1) or (float\$3 near state))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 12:47
S967	2	"20180364756"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 14:52
S968	8779	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 14:56
S969	93	S968 and (adjust\$4 near3 connector\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 14:56
S970	0	"2018036756"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 15:20
S971	2	"20180364756"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 15:20
S972	440	439/136.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 15:30
S973	64	S972 and (dock\$4 or expan\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 15:30
S974	0	S973 and float\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 15:31
S975	3	S972 and float\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 15:31
S976	253	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$	US-PGPUB;	OR	OFF	2019/09/15;

or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ USPAT;
 or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ USOCR
 or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$
 or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$
 or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$
 or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$
 or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$
 or US-20060194619-\$ or US-20060146488-\$).did. or (US-
 20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or
 US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or
 US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$ or
 US-20090091881-\$ or US-20060117623-\$ or US-20140333831-\$ or
 US-20150192958-\$ or US-20150124401-\$ or US-20140352926-\$ or
 US-20160341486-\$ or US-20160236445-\$ or US-20180103557-\$ or
 US-20100053885-\$ or US-20150092343-\$ or US-20050111183-\$ or
 US-20020075643-\$ or US-20010046119-\$ or US-20140101576-\$ or
 US-20110198460-\$ or US-20040029617-\$ or US-20120118628-\$
).did. or (US-20110188180-\$ or US-20090002930-\$ or US-
 20140304891-\$ or US-20160043357-\$ or US-20150246176-\$ or
 US-20110169956-\$ or US-20140266760-\$ or US-20100155490-\$ or
 US-20100110274-\$ or US-20060047287-\$ or US-20180117296-\$ or
 US-20090275815-\$ or US-20140069432-\$ or US-20120092264-\$ or
 US-20120095398-\$ or US-20180093038-\$ or US-20170290534-\$ or
 US-20170290533-\$ or US-20160058380-\$ or US-20120277667-\$ or
 US-20110106126-\$ or US-20170290546-\$ or US-20140194818-\$ or
 US-20150138723-\$ or US-20110132557-\$ or US-20100182288-\$ or
 US-20120002357-\$).did. or (US-20130058021-\$ or US-
 20180364756-\$ or US-20170153667-\$ or US-20160062400-\$ or
 US-20160062399-\$ or US-20110095724-\$ or US-20130005179-\$ or
 US-20150268695-\$ or US-20170302024-\$ or US-20150103483-\$ or
 US-20130002193-\$ or US-20170208697-\$ or US-20140118923-\$ or
 US-20140073178-\$ or US-20130058036-\$ or US-20130050933-\$ or
 US-20190094907-\$ or US-20170344060-\$ or US-20170344059-\$ or
 US-20140092546-\$ or US-20150185777-\$ or US-20140069710-\$ or
 US-20130050934-\$ or US-20130016463-\$ or US-20160091925-\$ or
 US-20150331452-\$ or US-20170160772-\$).did. or (US-
 20170115695-\$ or US-20160320801-\$ or US-20140321049-\$).did.
 or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-
 6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or
 US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$
 or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-
 6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or
 US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$
 or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or US-
 7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-
 9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or
 US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$
 or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-
 8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or
 US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$
 or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-
 6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-
 8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or
 US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$
 or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-
 9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or
 US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$
 or US-9294597-\$ or US-9603271-\$ or US-7551432-\$ or US-
 9760117-\$ or US-6392883-\$ or US-5880929-\$ or US-5646822-\$ or
 US-6447945-\$).did. or (US-6097597-\$ or US-6069791-\$ or US-
 8405975-\$ or US-7086452-\$ or US-6816371-\$ or US-6324055-\$ or
 US-6266241-\$ or US-6078499-\$ or US-6031716-\$ or US-5910883-\$
 or US-6987668-\$ or US-6833992-\$ or US-6474074-\$ or US-
 7552759-\$ or US-5383340-\$ or US-6377454-\$ or US-5847925-\$ or
 US-5634351-\$ or US-5606341-\$ or US-8893628-\$ or US-8596599-\$
 or US-5537127-\$ or US-8665583-\$ or US-RE42091-\$ or US-
 7878476-\$ or US-6844865-\$ or US-7724503-\$).did. or (US-
 9318882-\$ or US-9203217-\$ or US-7486499-\$ or US-5481075-\$ or
 US-8551283-\$ or US-8792955-\$ or US-7946984-\$ or US-8277713-\$
 or US-6589229-\$ or US-6196307-\$ or US-5349498-\$ or US-
 4930317-\$ or US-9901013-\$ or US-10390443-\$ or US-9743542-\$
 or US-10101019-\$ or US-9911369-\$ or US-9629237-\$ or US-

		9756757-\$ or US-9519313-\$ or US-8654519-\$ or US-8526109-\$ or US-5504649-\$ or US-10074935-\$ or US-9915977-\$ or US-10348035-\$ or US-9429994-\$).did. or (US-5552959-\$ or US-5182698-\$ or US-5292267-\$ or US-10324495-\$ or US-5864294-\$ or US-5452180-\$ or US-5199892-\$).did. or (US-3229058-\$ or US-2885502-\$).did.				
S977	12	S976 and ((float\$4 near3 connector\$1) or (float\$3 near state))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 15:39
S978	12	S976 and ((float\$4 near3 connector\$1) or (float\$4 near state))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 15:39
S979	21	S976 and ((float\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 15:39
S980	0	haughton.ap.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:43
S981	1336	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:43
S982	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:43
S983	1603	S981 S982	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:43
S984	13	S983 and ((flex\$3 or roll\$4) near display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:44
S985	4	S983 and ((flex\$3) near display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:44
S986	0	S985 and (roll\$4 or wind\$4 or wound\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:44
S987	72	S983 and (flex\$4 near display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:44
S988	50	S987 and (roll\$4 or wind\$4 or wound\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:45
S989	7	S988 and gear\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:45
S990	1	("0000112").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/15: 16:45
S991	3687	g06f1/1652.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:45
S992	2929	S991 and (flex\$4 near display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:45
S993	1986	S992 and (roll\$4 or wind\$4 or wound\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:46
S994	228	S993 and gear\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:46
S995	103	S994 and spring\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 16:46
S996	28	S994 and (coil\$3 near2 spring\$4)	US-PGPUB; USPAT;	OR	OFF	2019/09/15: 16:47

			USOCR			
S997	75	S995 not S996	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 16:57
S998	125	S994 not S995	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 16:58
S999	2	"20160320804"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 17:04
S1000	30	"20020090980" "20040183958" "20050041012" "20090302176" "20100177020" "20110018785" "20110176260" "20120204453" "20140211399" "20140241551" "20140247544" "20150029229" "6771232" "7395850" "7864418" "7952801" "8009422" "8184369" "8493726" "8516728" "8654519" "8925614" "9004138" "9337434").PN. OR ("9772657").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 17:05
S1001	2	"20170064847"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 17:20
S1002	11	"20020070910" "20050041012" "20130058063" "20160120022" "20160227645" "20160324014" "20170023978" "7440265" "8516728" "9696760").PN. OR ("9829925").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 17:21
S1003	2717	(("20170311461" or ("10045448" or ("20160363960" or ("9864412" or ("20180125594" or ("20160249945" or ("9993258" or ("20160249927" or ("10226250" or ("20190261991" or ("5692330" or ("20190056768" or ("4507769" or ("9801626" or ("20140305994" or ("8638321" or ("9649110" or ("20140305989" or ("9844368" or ("10405857") or ("20140305987" or ("9826976" or ("20180249999" or ("7289315" or ("20190110793" or ("20060176655" or ("9867612" or ("10149680" or ("20090101405" or ("8153896") or ("20140309666" or ("9814460" or ("20170351214" or ("20140305992" or ("10136887" or ("20140305991" or ("20140305988" or ("20140309665" or ("20140305990" or ("20070210223" or ("20170090413" or ("20180235440" or ("9857766" or ("20180329354" or ("10175631" or ("20140194743" or ("9671751" or ("5836536" or ("9474507" or ("20100207496" or ("20020146960" or ("20130167600" or ("9501108" or ("6641479" or ("20070078012" or ("20150362962" or ("6763915" or ("20040048665" or ("7314413" or ("20130261466" or ("4426695" or ("20030066713" or ("20190141843" or ("7426108" or ("20190239369" or ("4873596" or ("7830460" or ("20080013264" or ("20040164629" or ("20080002352" or ("20020153794" or ("20020158527" or ("20170090412" or ("10400942" or ("20180305961" or ("20160179141" or ("20120074802" or ("20010008130" or ("20170102634" or ("6921994" or ("20170234478" or ("20010047916" or ("20180348826" or ("9836087" or ("6727613" or ("9886002" or ("8992422" or ("20060114293" or ("9817333" or ("20110219895" or ("5694293" or ("7352102" or ("6930420" or ("6263852" or ("6550599" or ("9987003" or ("7308733" or ("20080018706" or ("20050248230" or ("20140303645" or ("9103349" or ("20170090403" or ("20190261520" or ("20070120436" or ("9851685" or ("8573086" or ("20160068376" or ("7270401" or ("20150164514" or ("20020085129" or ("20170185030" or ("10362927" or ("20160320804" or ("9907457" or ("7190099" or ("20170329369" or ("10001810" or ("20180011515" or ("20130118298" or ("20140221749" or ("20130178296" or ("9772657" or ("6633347" or ("10162387" or ("9585658" or ("20180192857" or ("9943814" or ("20100126308" or ("20150157994" or ("20120126190").PN. or ("8688008" or ("10368863" or ("20110085752" or ("20020011390" or ("20090027455" or ("9851688" or ("20170227920" or ("8968107" or ("20150283714" or ("20050253356" or ("20010006052" or ("20120199633" or ("20180188637" or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15 17:34

("20010006051") or ("20180326601") or ("20170196623") or ("20130168978") or ("20070291079") or ("9265263") or ("20170185031") or ("8960486") or ("10213262") or ("20120199632") or ("7874645") or ("7195088") or ("9836015") or ("20170227919") or ("20070052788") or ("8308364") or ("20110234145") or ("20180001491") or ("20110310696") or ("4008489") or ("3474557") or ("9841724") or ("6481550") or ("10363033") or ("9464458") or ("9796099") or ("6311663") or ("9795381") or ("10046468") or ("20080041145") or ("4469330") or ("10076342") or ("8482243") or ("20160324021") or ("20070030319") or ("7726785") or ("7794051") or ("7448259") or ("7578387") or ("9301759") or ("20170078583") or ("10299787") or ("10052099") or ("8573461") or ("20110295242") or ("9939776") or ("10347160") or ("20130174424") or ("20130003278") or ("6260529") or ("6268676") or ("6386169") or ("20190271939") or ("20170357295") or ("8437669") or ("20190179249") or ("8401442") or ("20080303863") or ("20160192996") or ("20160192997") or ("20090230271") or ("6589094") or ("20180225804") or ("10254632") or ("10022132") or ("3342243") or ("20120132450") or ("20110221551") or ("7217051") or ("20130075518") or ("7789486") or ("20080164778") or ("20160160905") or ("20190248080") or ("20100273540") or ("7147102") or ("8306575") or ("20140319949") or ("8616431") or ("20110290854") or ("20130270947") or ("20120279016") or ("10345867") or ("20050158108") or ("7866618") or ("8536504") or ("20180132952") or ("20050157152") or ("10064688") or ("8605418") or ("20190099229") or ("9134600") or ("20170280571") or ("8931682") or ("8674649") or ("8787992") or ("10400815") or ("10258333") or ("20120160991") or ("20180214831") or ("20030015301") or ("8576549") or ("4059339") or ("20140305993") or ("20130230378") or ("20140291383") or ("20130205572") or ("20160128703") or ("8385056") or ("2680581") or ("9350834") or ("9510828") or ("10150090") or ("20190083947") or ("20190028002") or ("20160268877") or ("8334470") or ("20100084500") or ("8302895").PN. or ("9121438") or ("3988049") or ("20190021746") or ("20160249911") or ("20160015390") or ("20160220247") or ("8747238") or ("20160220248") or ("20170311945") or ("9974529") or ("20160220246") or ("20050155884") or ("10188002") or ("20150053745") or ("10327765") or ("9283054") or ("7883046") or ("20110095120") or ("6899311") or ("20190209164") or ("20090048618") or ("20190209165") or ("20180296211") or ("2854297") or ("8142454") or ("20180280021") or ("20180280023") or ("20050157062") or ("20090028601") or ("20180230724") or ("20180280022") or ("20120282984") or ("10174535") or ("8998058") or ("7013750") or ("20110059780") or ("20060293095") or ("20050157139") or ("10245030") or ("6230678") or ("7949312") or ("20190187608") or ("20170224336") or ("20140005677") or ("20090075702") or ("20070158215") or ("20050264633") or ("9999426") or ("20080041961") or ("20150054753") or ("20140353997") or ("20100021095") or ("20190203709") or ("9226751") or ("7287828") or ("9186143") or ("20070189831") or ("20080018724") or ("20150230783") or ("20060239749") or ("7168654") or ("20050158105") or ("20040163879") or ("10185371") or ("7614609") or ("20190025892") or ("20120275823") or ("5657533") or ("7038709") or ("20080217097") or ("20140005678") or ("20140252067") or ("7564466") or ("20050155248") or ("20190098783") or ("7207670") or ("7448551") or ("4630397") or ("20190144133") or ("9364230") or ("9072536") or ("5542829") or ("7182470") or ("7220072") or ("20160106431") or ("9452535") or ("7901065") or ("7217049") or ("20050157151") or ("20140005679") or ("20160348768") or ("20130282023") or ("6991098") or ("20060050249") or ("7201272") or ("9750498") or ("20180214226") or ("8206039") or ("20110118708") or ("8628051") or ("20010042990") or ("4674859") or ("20140001235") or ("6920704") or ("20060230579") or ("20120241578") or ("20140001236") or ("20130167598") or ("20150366090") or ("9408606") or ("20180353177") or

("20180353176") or ("20180353179") or ("7186042") or ("20140000411") or ("9477267") or ("7272423") or ("8254805") or ("20190226568") or ("20040227045") or ("20180353178") or ("20090084913") or ("20060027417") or ("4264266") or ("20170135695") or ("6352215") or ("20080298838") or ("20150000436") or ("10179658").PN. or (("20170259938") or ("20160000513") or ("20140252069") or ("20160015462") or ("20050201804") or ("9663245") or ("20050155252") or ("20150000435") or ("6499788") or ("20050158103") or ("20130167671") or ("20050201805") or ("6944970") or ("3961543") or ("9663244") or ("20140001234") or ("20170071688") or ("20170071687") or ("4126040") or ("20110233855") or ("7100734") or ("7108434") or ("8666280") or ("20180042129") or ("9095339") or ("20160206310") or ("10022197") or ("9703257") or ("20150349589") or ("7643770") or ("20070009282") or ("20190150713") or ("6707188") or ("10251664") or ("9101381") or ("20160331375") or ("20050156958") or ("20180344319") or ("20190142421") or ("20050156954") or ("5412889") or ("20170319207") or ("10292767") or ("20050158104") or ("20190150704") or ("20050200682") or ("20110118707") or ("5758684") or ("20160106510") or ("20160370756") or ("10383630") or ("6291782") or ("20170215881") or ("7237888") or ("20140001231") or ("9051762") or ("20020047347") or ("7258501") or ("20080097496") or ("20100108422") or ("10206748") or ("4468764") or ("7195412") or ("4555173") or ("20070172292") or ("6397523") or ("7693443") or ("9259275") or ("20160023778") or ("8166494") or ("20190216551") or ("5862027") or ("9545465") or ("9742457") or ("9885402") or ("20150226265") or ("20160016674") or ("10027189") or ("20150053739") or ("20170147035") or ("20170086831") or ("20150257289") or ("9820822") or ("5926167") or ("20190201030") or ("20070177922") or ("20100269125") or ("20160269068") or ("20080193191") or ("20170202570") or ("20140107489") or ("20170000485") or ("9603271") or ("9778613") or ("20050088814") or ("20120285276") or ("9700310") or ("20170290585") or ("20060239738") or ("20030086240") or ("9980701") or ("20050156956") or ("20090272870") or ("20100080642") or ("8941980") or ("20170119483") or ("20050156953") or ("6574446") or ("20150230784") or ("20150100045") or ("20070293283") or ("20020025191") or ("20190087016") or ("20070177924") or ("6658962") or ("7384206") or ("20050189080") or ("20180318015") or ("20100308099") or ("20050157150") or ("20100052237") or ("20080216966") or ("20140171966") or ("20030155824") or ("6819550") or ("20140050508") or ("20050276182") or ("20120068559").PN. or (("20180116662") or ("8567276") or ("20040202316") or ("7210407") or ("8052101") or ("7588381") or ("20190105044") or ("20150005786") or ("4060310") or ("20070176994") or ("7628557") or ("20050156955") or ("7429104") or ("8798492") or ("20170224335") or ("6425568") or ("8852174") or ("9775609") or ("8246533") or ("6798102") or ("7942775") or ("7470074") or ("9924942") or ("10045823") or ("7896056") or ("20120199424") or ("7249838") or ("20050158101") or ("20170181894") or ("20110118709") or ("20110299875") or ("20100107369") or ("6427308") or ("6171191") or ("20170245702") or ("20180070942") or ("20050159967") or ("7209344") or ("7526082") or ("20140044454") or ("20090014131") or ("9169916") or ("6149491") or ("20150259020") or ("6161277") or ("20090242336") or ("20120199425") or ("20140375194") or ("7425063") or ("20100296833") or ("20150053741") or ("8787786") or ("5145479") or ("7784521") or ("20180064442") or ("20190099180") or ("20040218352") or ("20050201803") or ("20180064443") or ("20120321345") or ("4454599") or ("8213826") or ("20170224330") or ("20150053744") or ("20120277530") or ("20120242198") or ("20140058600") or ("20100329807") or ("20170196634") or ("20180160554") or ("4226397") or ("20030122435") or ("20150025571") or ("6511409") or ("20180064441") or ("9689526") or ("8693914") or ("7758262") or ("20080291256") or ("20140044455") or ("20180055513") or ("20180064440") or ("6085893") or

("9128676") or ("10245029") or ("6057618") or ("4195718") or ("6606762") or ("20090252528") or ("20100102288") or ("9386983") or ("20040228080") or ("20120138659") or ("4685792") or ("8519587") or ("20070201197") or ("20050041048") or ("20030163898") or ("4166348") or ("20140218847") or ("6961234") or ("20070223962") or ("8602288") or ("8014694") or ("20160238222") or ("20030096690") or ("20170224331") or ("8376091") or ("8132706") or ("8744288") or ("20020019301") or ("7057886") or ("20010010192") or ("7773371") or ("10016207") or ("20150124400") or ("20170007246") or ("20170007244") or ("20190110792") or ("20170224334") or ("20120251187") or ("7218510") or ("6700245") or ("4125057") or ("20170007245") or ("9206634") or ("20110295269") or ("10201436") or ("9808249") or ("4913274") or ("20170224333") or ("4825988").PN. or ("20140029189") or ("8181750") or ("20190107204") or ("8479969") or ("20140044453") or ("7142415") or ("9085334") or ("20150227165") or ("9217988") or ("20160234950") or ("8886076") or ("20050052834") or ("10045778") or ("8873993") or ("4390054") or ("20170224332") or ("20050105258") or ("20120010616") or ("20190102930") or ("7806386") or ("9445813") or ("20060019755") or ("20170258538") or ("9423837") or ("20160187245") or ("20150053749") or ("8910754") or ("20170249431") or ("20120211546") or ("6469236") or ("20170160182") or ("4205804") or ("20150053746") or ("9987006") or ("6095241") or ("20170224342") or ("20080238999") or ("8208834") or ("20160103417") or ("4668076") or ("20150010321") or ("20120001500") or ("20150053748") or ("20140270849") or ("20180206843") or ("20160184111") or ("20140107488") or ("20020052134") or ("8256574") or ("20100107792") or ("20030156095") or ("7526228") or ("10197967") or ("7824117") or ("20190009757") or ("6903273") or ("20130139627") or ("20150053740") or ("6740022") or ("9513595") or ("9720347") or ("8795158") or ("20120199631") or ("7988579") or ("20170082943") or ("20190263468") or ("20110315481") or ("5503241") or ("5760558") or ("20170080157") or ("7153202") or ("20050158112") or ("20010035068") or ("20150053738") or ("4286478") or ("9149324") or ("4931836") or ("20150076209") or ("20150076210") or ("20180146960") or ("20180153542") or ("20150053742") or ("6676317") or ("20180125488") or ("5848949") or ("20160374672") or ("20170082966") or ("20120298451") or ("20160010629") or ("20180368833") or ("20190110791") or ("20170196649") or ("9579080") or ("8430208") or ("20100134964") or ("6972373") or ("20190040992") or ("6446894") or ("20090290077") or ("20140340862") or ("20160143131") or ("7543311") or ("20070009281") or ("20170139445") or ("20150275491") or ("20110030193") or ("20030188883") or ("20020157911") or ("20070135803") or ("7419053") or ("6478701") or ("10168665") or ("8707814") or ("10086145") or ("7012193") or ("5175478") or ("20050217884") or ("20180180142") or ("20160183647") or ("20180355964") or ("20180356031") or ("10285695") or ("8556783") or ("20170224343") or ("6984786") or ("7092246") or ("20060162122") or ("20170153719") or ("10278780") or ("4612539").PN. or ("20160248311") or ("2279463") or ("20170258539") or ("9930942") or ("20050029391") or ("20170231653") or ("7208681") or ("7489057") or ("20190036419") or ("9289187") or ("20190216481") or ("20070247800") or ("6340252") or ("20170269637") or ("9681538") or ("20180310670") or ("7042714") or ("20070004577") or ("20050186818") or ("20170224367") or ("20140111916") or ("5642008") or ("20170080158") or ("10146167") or ("20160246250") or ("7693442") or ("20170240239") or ("5027950") or ("20050191886") or ("2813392") or ("20170312040") or ("10185414") or ("20160306386") or ("9081548") or ("6482024") or ("10130361") or ("20190125378") or ("9772598") or ("20190125320") or ("20160230856") or ("4273396") or ("10390853") or ("20180263442") or ("8782864") or ("20090324404") or ("5814038") or ("20090167792") or ("6989490") or ("20050215099") or ("3978829") or ("20170007338") or

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 ("20170058998") or ("20110233318") or ("9655614") or
 ("20170007339") or ("20120268878") or ("20080179446") or
 ("20180170724") or ("20130193189") or ("20070213161") or
 ("20160374228") or ("20170245712") or ("20180328452") or
 ("20050036283") or ("20080146403") or ("9057213") or
 ("20190099178") or ("8302925") or ("10203652") or
 ("20180179833") or ("5044144") or ("20190099177") or
 ("20180074557") or ("20140102742") or ("8094245") or
 ("9678539") or ("20050202702") or ("20170007341") or
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 or ("6623445") or ("20170096765") or ("6412539") or ("9791825")
 or ("20160216737") or ("20090268106") or ("20140374530") or
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 or ("4562314") or ("20190098774") or ("7828685") or
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 or ("9987432") or ("20080302525") or ("20190192144") or
 ("20070142161") or ("20140197289") or ("9756757") or
 ("RE32996") or ("20110134202") or ("20120143215") or
 ("6000523") or ("4627182").PN. or ("7922218") or
 ("20130002787") or ("20150053737") or ("10146266") or
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or ("20070062054") or ("20190234143") or ("8459523") or
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or ("10349544") or ("20160195903") or ("20170303413") or
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		or ("9936593") or ("20170303415") or ("20060179973") or ("5301444") or ("20160303864") or ("5779181") or ("10399832") or ("20090062825") or ("20040119951") or ("20050157137") or ("20190277290") or ("8644728") or ("20130287437") or ("8408353") or ("7384093") or ("20180342857") or ("20110057894").PN. or ("20050157120") or ("5352947") or ("20090044982") or ("20180016989") or ("20090251624") or ("20180261409") or ("5538200") or ("20190000533") or ("20130282052") or ("20100026006") or ("5207697") or ("20130017924") or ("10284754") or ("20170000280") or ("5398691") or ("7802964") or ("6073995") or ("6240801") or ("9625332") or ("6447518") or ("20060250048") or ("5899113") or ("20050133774") or ("5540627") or ("10211608") or ("4622483") or ("5789838") or ("20050157138") or ("20080011010") or ("4488708") or ("4424045") or ("4474543") or ("20100220161") or ("9395679") or ("9120338") or ("7484713") or ("9913532") or ("20170007285") or ("20070000966") or ("5489212") or ("9570955") or ("8500753") or ("6823155") or ("20060269313") or ("20180141478") or ("3436116") or ("8831472") or ("4880999") or ("9411179") or ("7463850") or ("20190100329") or ("7823255") or ("9751321") or ("3988799") or ("20180243036") or ("9750262") or ("20140291458") or ("20120188691") or ("8061674") or ("8956101") or ("7687952") or ("20190230260") or ("20060130714") or ("20040084579") or ("20080317509") or ("20040070297") or ("20160298372") or ("5738321") or ("9870031") or ("20190073002") or ("20040192480") or ("9052683") or ("9212665") or ("20070228867") or ("10071452") or ("8870867") or ("10320272") or ("20070062774") or ("6394998") or ("9724465") or ("9724466") or ("4012778") or ("20090050769") or ("20160206165") or ("20190113028") or ("10404147") or ("8625273") or ("3962934") or ("20140360296") or ("20100247015") or ("10219803") or ("9004786") or ("20190200534") or ("20130119825") or ("20190269417") or ("6408161") or ("5828633") or ("5027579") or ("5236266") or ("20060130713") or ("20080216578") or ("20140356199") or ("20100232099") or ("8872370") or ("20140213907") or ("20130142603") or ("20120001044") or ("20120224321") or ("7119644") or ("8792804") or ("20170113814") or ("20060226150") or ("4796368") or ("5446610") or ("20040000811") or ("4297028") or ("7698901") or ("20140139949") or ("7386969") or ("10058963") or ("20070067956") or ("9884548") or ("20170257004") or ("20170353079") or ("5449334") or ("7705482") or ("10052102") or ("10110100") or ("7306303") or ("20150182353") or ("20100135696") or ("5816527") or ("20110240225") or ("8606140").PN. or ("20040261303") or ("20140025046") or ("10386760") or ("20150335311") or ("4890828") or ("10342536") or ("20190203710") or ("20080066301") or ("20090321609") or ("5408896") or ("20170265954") or ("8245714") or ("9857765") or ("20060231215") or ("9061869") or ("20050044818") or ("8400333") or ("20130214084") or ("20130081336") or ("20170242257") or ("20180321637") or ("20060164500") or ("7258424") or ("20130293444") or ("7945184") or ("8787016") or ("20140265677") or ("20130169891") or ("5215385") or ("2140567") or ("4594586") or ("7484841") or ("20040093977") or ("5123630") or ("5486965") or ("8558489") or ("20190112926") or ("3148551") or ("5382084") or ("20180325508") or ("20180289585") or ("8978955") or ("9204924") or ("20150340004") or ("6705871") or ("20080304862") or ("20160135914") or ("6902048") or ("20030172771") or ("20140243901") or ("20080105070") or ("20030002758") or ("20100278559") or ("6606798") or ("20170031387") or ("20050044820") or ("7170826") or ("9241422") or ("20080317501") or ("9342101") or ("7431446") or ("20080220947") or ("7121612")).PN.				
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S1006	2	S1004 S1005	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/15: 17:36
S1007	2	("20040184228" "20100320884").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/16: 00:34
S1008	1	("20190178009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16: 01:13
S1009	3	S1007 S1008	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16: 01:13
S1010	2738	(("20190178009" or ("RE40055" or ("20030086241") or ("6654233") or ("20160062414") or ("9575513") or ("20060293093") or ("10125522") or ("20150075236") or ("20150076845") or ("9447610") or ("9212507") or ("20020155744") or ("20160053522") or ("10156868") or ("10047550") or ("20180046218") or ("20190079559") or ("20160356060") or ("10061355") or ("6722910") or ("20180046216") or ("20080319396") or ("20060020281") or ("20100194503") or ("7744569") or ("20180046217") or ("10025353") or ("8564936") or ("20110205694") or ("10222836") or ("20190154128") or ("20180046222") or ("20100331783") or ("20120042522") or ("20110266014") or ("8539677") or ("20040090740") or ("8282603") or ("7100876") or ("8555999") or ("20130199811") or ("9266230") or ("20090079202") or ("20070026297") or ("20180111276") or ("7963577") or ("10279491") or ("20060278778") or ("4698030") or ("20060278787") or ("20180304018") or ("20140355210") or ("7319583") or ("20140326249") or ("20160079016") or ("20170319137") or ("6499724") or ("10352077") or ("20170283138") or ("9585274") or ("20110221166") or ("9455103") or ("20160270246") or ("6554253") or ("20090197443") or ("6364033") or ("8671721") or ("8695384") or ("9190790") or ("20190218015") or ("6547219") or ("20020045380") or ("9940802") or ("8905425") or ("20170337789") or ("20030048600") or ("6707665") or ("20050135070") or ("20020066894") or ("20040125583") or ("20050103070") or ("20120011903") or ("20170321456") or ("7758117") or ("6870740") or ("20060006663") or ("20050159039") or ("6582243") or ("20180371806") or ("20120312056") or ("8056376") or ("20140145676") or ("20130086956") or ("7234735") or ("20100037663") or ("20180287400") or ("9274557") or ("20080134467") or ("20080246319") or ("20050251196") or ("7958602") or ("20110221164") or ("7184262") or ("9325182") or ("20060107709") or ("5135408") or ("20100077566") or ("20140355196") or ("4953420") or ("20180355640") or ("8925954") or ("8064973") or ("20060223383") or ("7052310") or ("6019629") or ("8427375") or ("20120006080") or ("20180016810") or ("20090163257") or ("5678272") or ("20090322626") or ("4932283") or ("20160102805") or ("9869423") or ("20100242555") or ("9910457") or ("8593807") or ("20180094769") or ("20090318195").PN. or ("7918117") or ("10378237") or ("5794300") or ("8676278") or ("20030171133") or ("10125921") or ("20180040982") or ("20040145226") or ("7470136") or ("7792557") or ("10270209") or ("8032192") or ("20150376916") or ("20060027776") or ("20070287307") or ("8931813") or ("20100308624") or ("20140211108") or ("7314209") or ("6307167") or ("20130239629") or ("20050137000") or ("20080182440") or ("20170181789") or ("9249603") or ("6890034") or ("9963906") or ("20070134994") or ("8842424") or ("20090197474") or ("20130135837") or ("20180179790") or ("4919451") or ("7204108") or ("20020170116") or ("7850756") or ("9689178") or ("9863166") or ("20090197442") or ("10267064") or ("8730682") or ("20170355208") or ("20060107708") or ("7568923") or ("20020170115") or ("20080248665") or ("20050156454") or ("20080156046") or ("7641483") or ("6754923") or ("20190240850") or ("7751195") or ("7628045") or ("20070029810") or ("5461546") or ("20070063470") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16: 01:14

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		(“9700114”) or (“5515237”) or (“20090045037”) or (“9481080”) or (“8689450”) or (“9498034”) or (“20130037597”) or (“20100062615”) or (“20090137948”) or (“20110194232”) or (“20120272529”) or (“7596976”) or (“9022271”) or (“20120288325”) or (“20180232013”) or (“20040223293”) or (“8915105”) or (“8931139”) or (“9185953”) or (“10182815”) or (“6097810”) or (“5764476”) or (“6186821”) or (“7331204”) or (“20070158944”) or (“20120156900”) or (“8414315”) or (“20150323954”) or (“20040142753”) or (“20150376872”) or (“7341166”) or (“10322239”) or (“20140360893”) or (“2907302”) or (“20030170070”) or (“20050041378”) or (“20100301097”) or (“20130276590”) or (“7496990”) or (“20060011352”) or (“9817449”) or (“20190117248”) or (“20090324327”) or (“20120103033”) or (“7793528”) or (“6572401”) or (“20120121367”) or (“9854694”) or (“20030071471”) or (“20190121400”) or (“7434614”) or (“20110213347”) or (“9923297”) or (“8308204”) or (“9317077”) or (“7101300”) or (“4281722”) or (“3525830”) or (“6752562”) or (“6209176”) or (“7963134”) or (“5823814”) or (“4161637”) or (“20120083853”) or (“3968338”) or (“8561870”) or (“20130330959”) or (“6510051”) or (“20180301848”) or (“5800216”) or (“8235411”) or (“20100227494”) or (“20090084145”) or (“20060117484”) or (“7845721”) or (“5851214”) or (“8784127”) or (“4225220”) or (“8730667”) or (“20050065410”) or (“10363034”) or (“4682483”) or (“2238942”) or (“20160216684”) or (“8267210”) or (“8933356”) or (“20170183048”) or (“20150090471”) or (“3931723”) or (“6108867”) or (“20160270822”) or (“20130340492”) or (“20060282082”) or (“20150227178”) or (“20130287433”) or (“10024154”) or (“9606575”) or (“8702336”) or (“20180324964”) or (“20090030457”) or (“4972508”) or (“20020030970”) or (“8075597”) or (“8474448”) or (“9442458”) or (“20100064738”) or (“20140109730”) or (“7125379”) or (“20110024480”) or (“8287292”) or (“7431356”) or (“20100242332”) or (“20080015631”) or (“20140217698”).PN. or (“6934151”) or (“5995366”) or (“20120015547”) or (“9795435”) or (“8061673”) or (“8033844”) or (“8381556”) or (“7841888”) or (“8820194”) or (“20100043502”) or (“3791235”) or (“20180099147”) or (“20120175450”) or (“8991811”) or (“8047100”) or (“20120172803”) or (“20180311007”) or (“20040214077”) or (“20070175248”) or (“6591709”) or (“20120220988”) or (“8997534”) or (“20070260124”) or (“8956360”) or (“8707745”) or (“20020001988”) or (“20100109408”) or (“8801752”) or (“20060284467”) or (“6830472”) or (“9203938”) or (“9914176”) or (“20180074542”) or (“7549887”) or (“20070266747”) or (“20160347276”) or (“20100236304”) or (“20150263464”) or (“20060005658”) or (“3832726”) or (“20170265859”) or (“6474119”) or (“6598909”) or (“8661864”) or (“20010021599”) or (“9457833”) or (“5875524”) or (“20120000259”) or (“20190247261”) or (“10061354”) or (“20150327855”) or (“8713758”) or (“20150196125”) or (“5496194”) or (“7548761”) or (“20120091182”) or (“6972946”) or (“20140014705”) or (“9952623”) or (“7682100”) or (“4335286”) or (“4776187”) or (“20190249458”) or (“7371102”) or (“4772078”) or (“20130153375”) or (“9414860”) or (“7815091”) or (“8839650”) or (“8925416”) or (“7870764”) or (“20080250826”) or (“9751641”) or (“9350095”) or (“20170258466”) or (“20150005788”).PN.				
S1011	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:29
S1012	1336	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:29
S1013	1603	S1011 S1012	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:29
S1014	381	S1013 and ((portable or notbook or laptop or (lap near top) or clamshell) near3 (computer or (electronic near device)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:30
S1015	133	S1014 and (lock\$3)	US-PGPUB; USPAT;	OR	OFF	2019/09/16; 01:30

			USOCR				
S1016	10805	g06f1/1616.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:31	
S1017	2331	g06f1/1679.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:32	
S1018	1347	S1016 and S1017	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:32	
S1019	773	S1018 and ((portable or notbook or laptop or (lap near top) or clamshell) near3 (computer or (electronic near device)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:32	
S1020	541	S1019 and (lock\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:32	
S1021	525	S1020 not S1015	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:33	
S1022	10	("20030089147" "20130180295" "20140085788" "20150059422" "6463770" "6578394" "6788216" "8833117" "9062476").PN. OR ("9784019").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:35	
S1023	501	S1021 and (hing\$4 or rotat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 01:45	
S1024	66	((("AHN") near3 ("Sung-Ho")) OR (("WOO") near3 ("Sung-Gwan")) OR (("KWAK") near3 ("Ki-Ju"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/16; 10:23	
S1025	31228	G06F1/16,1601,1626,1616,1652.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 10:23	
S1026	7826	361/679.21-679.3,679.55,679.56.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 10:23	
S1027	7309	361/679.01-679.02.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 11:10	
S1028	3432	G06F1/16.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 11:10	
S1029	11573	G06F1/16,32,1601,1603,1605,1607,1609,1611.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 11:10	
S1030	1240	B08B1/006,002.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 11:11	
S1031	118	B08B11/04.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 11:11	
S1032	3688	A45C11/00.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 11:11	
S1033	1837	H04B1/3816.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 11:11	
S1034	50	((("MAYFIELD") near3 ("Walter")) OR (("VALDEZ") near3 ("Daniel"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/09/16; 11:12	
S1035	2	"20130005179"	US-PGPUB; USPAT;	OR	OFF	2019/09/16; 11:33	

			USOCR			
S1036	11	(("20130058021") or ("5504649") or ("20180364756") or ("20170153667") or ("20160062400") or ("20160062399") or ("10074935") or ("9915977") or ("20130005179") or ("20150103483") or ("20140118923")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 12:05
S1037	8	(("20140092566") or ("20180376603") or ("20180114471") or ("20160320804") or ("20100177020") or ("10162387") or ("20170064847") or ("20160363960")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 12:19
S1038	8	S1037 and spring\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 12:33
S1039	4	S1037 and (magnet\$2 or magnetically)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 12:33
S1040	2	S1037 and (coil\$3 near3 spring\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 12:34
S1041	289	(US-20090257177-\$ or US-20110103003-\$ or US-20120092377-\$ or US-20100177476-\$ or US-20130163187-\$ or US-20120250246-\$ or US-20100195279-\$ or US-20110199726-\$ or US-20060113213-\$ or US-20090107878-\$ or US-20150362953-\$ or US-20150277491-\$ or US-20150116925-\$ or US-20150055290-\$ or US-20150055289-\$ or US-20140133080-\$ or US-20150029657-\$ or US-20130107136-\$ or US-20120162891-\$ or US-20010000447-\$ or US-20140376173-\$ or US-20140285963-\$ or US-20110043976-\$ or US-20100164837-\$ or US-20060194619-\$ or US-20060146488-\$).did. or (US-20010003450-\$ or US-20140355195-\$ or US-20120314400-\$ or US-20140042293-\$ or US-20130037228-\$ or US-20100246103-\$ or US-20060107566-\$ or US-20170169741-\$ or US-20140213324-\$ or US-20090091881-\$ or US-20060117623-\$ or US-20140333831-\$ or US-20150192958-\$ or US-20150124401-\$ or US-20140352926-\$ or US-20160341486-\$ or US-20160236445-\$ or US-20180103557-\$ or US-20100053885-\$ or US-20150092343-\$ or US-20050111183-\$ or US-20020075643-\$ or US-20010046119-\$ or US-20140101576-\$ or US-20110198460-\$ or US-20040029617-\$ or US-20120118628-\$).did. or (US-20110188180-\$ or US-20090002930-\$ or US-20140304891-\$ or US-20160043357-\$ or US-20150246176-\$ or US-20110169956-\$ or US-20140266760-\$ or US-20100155490-\$ or US-20100110274-\$ or US-20060047287-\$ or US-20180117296-\$ or US-20090275815-\$ or US-20140069432-\$ or US-20120092264-\$ or US-20120095398-\$ or US-20180093038-\$ or US-20170290534-\$ or US-20170290533-\$ or US-20160058380-\$ or US-20120277667-\$ or US-20110106126-\$ or US-20170290546-\$ or US-20140194818-\$ or US-20150138723-\$ or US-20110132557-\$ or US-20100182288-\$ or US-20120002357-\$).did. or (US-20130058021-\$ or US-20180364756-\$ or US-20170153667-\$ or US-20160062400-\$ or US-20160062399-\$ or US-20110095724-\$ or US-20130005179-\$ or US-20150268695-\$ or US-20170302024-\$ or US-20150103483-\$ or US-20130002193-\$ or US-20170208697-\$ or US-20140118923-\$ or US-20140073178-\$ or US-20130058036-\$ or US-20130050933-\$ or US-20190094907-\$ or US-20170344060-\$ or US-20170344059-\$ or US-20140092546-\$ or US-20150185777-\$ or US-20140069710-\$ or US-20130050934-\$ or US-20130016463-\$ or US-20160091925-\$ or US-20150331452-\$ or US-20170160772-\$).did. or (US-20170115695-\$ or US-20160320801-\$ or US-20140321049-\$ or US-20130163186-\$ or US-20110242754-\$ or US-20180160554-\$ or US-20140092566-\$ or US-20190150300-\$ or US-20180376603-\$ or US-20180114471-\$ or US-20160320804-\$ or US-20140247544-\$ or US-20140211399-\$ or US-20110018785-\$ or US-20100177020-\$ or US-20090302176-\$ or US-20170064847-\$ or US-20050041012-\$ or US-20170023978-\$ or US-20160363960-\$ or US-20160324021-\$ or US-20160143131-\$ or US-20130058063-\$ or US-20180046218-\$ or US-20180046216-\$ or US-20160252935-\$ or US-20150301564-\$).did. or (US-6798647-\$ or US-7068499-\$ or US-6309230-\$ or US-6445579-\$ or US-6961237-\$ or US-7618065-\$ or US-7580254-\$ or US-7365966-\$ or US-7355845-\$ or US-7236863-\$ or US-6937468-\$ or US-6856506-\$ or US-6504710-\$ or US-8199490-\$ or US-6049813-\$ or US-7742289-\$ or US-7119790-\$ or US-5262759-\$ or US-5233502-\$ or US-9229484-\$ or US-6317315-\$ or US-5796576-\$ or US-5619397-\$ or US-7660103-\$ or US-6816366-\$ or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 12:41

		US-7102592-\$).did. or (US-6757551-\$ or US-9451822-\$ or US-9060445-\$ or US-8422210-\$ or US-8730669-\$ or US-8792651-\$ or US-8737053-\$ or US-6231371-\$ or US-9047049-\$ or US-8654522-\$ or US-8644018-\$ or US-8199476-\$ or US-5825617-\$ or US-8605421-\$ or US-8380327-\$ or US-8369075-\$ or US-8270159-\$ or US-8035577-\$ or US-7667962-\$ or US-7558057-\$ or US-7440265-\$ or US-7180665-\$ or US-7095387-\$ or US-6577496-\$ or US-6377324-\$ or US-6016176-\$ or US-7714801-\$).did. or (US-8385055-\$ or US-9760126-\$ or US-9733744-\$ or US-8971031-\$ or US-9557771-\$ or US-9504170-\$ or US-9348450-\$ or US-9013864-\$ or US-9720455-\$ or US-8873225-\$ or US-8947868-\$ or US-9176535-\$ or US-8867200-\$ or US-8379377-\$ or US-8662731-\$ or US-8493726-\$ or US-8300416-\$ or US-7808550-\$ or US-8842425-\$ or US-9294597-\$ or US-9603271-\$ or US-7551432-\$ or US-9760117-\$ or US-6392883-\$ or US-5880929-\$ or US-5646822-\$ or US-6447945-\$).did. or (US-6097597-\$ or US-6069791-\$ or US-8405975-\$ or US-7086452-\$ or US-6816371-\$ or US-6324055-\$ or US-6266241-\$ or US-6078499-\$ or US-6031716-\$ or US-5910883-\$ or US-6987668-\$ or US-6833992-\$ or US-6474074-\$ or US-7552759-\$ or US-5383340-\$ or US-6377454-\$ or US-5847925-\$ or US-5634351-\$ or US-5606341-\$ or US-8893628-\$ or US-8596599-\$ or US-5537127-\$ or US-8665583-\$ or US-RE42091-\$ or US-7878476-\$ or US-6844865-\$ or US-7724503-\$).did. or (US-9318882-\$ or US-9203217-\$ or US-7486499-\$ or US-5481075-\$ or US-8551283-\$ or US-8792955-\$ or US-7946984-\$ or US-8277713-\$ or US-6589229-\$ or US-6196307-\$ or US-5349498-\$ or US-4930317-\$ or US-9901013-\$ or US-10390443-\$ or US-9743542-\$ or US-10101019-\$ or US-9911369-\$ or US-9629237-\$ or US-9756757-\$ or US-9519313-\$ or US-8654519-\$ or US-8526109-\$ or US-5504649-\$ or US-10074935-\$ or US-9915977-\$ or US-10348035-\$ or US-9429994-\$).did. or (US-5552959-\$ or US-5182698-\$ or US-5292267-\$ or US-10324495-\$ or US-5864294-\$ or US-5452180-\$ or US-5199892-\$ or US-9972930-\$ or US-10162387-\$ or US-9004138-\$ or US-8184369-\$ or US-7395850-\$ or US-9772657-\$ or US-9784019-\$ or US-8520377-\$ or US-8223486-\$ or US-8023252-\$ or US-7969731-\$ or US-7778027-\$).did. or (US-3229058-\$ or US-2885502-\$).did.				
S1042	7	("20080049560" "20130272103" "7126483" "4903253" "20130261405" "9721452" "20160069371").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 13:43
S1043	3	((("20160313700" or ("20160058375" or ("20110007468"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 13:44
S1044	2	"20080049560"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 13:55
S1045	38	("20010004397" "20020101457" "20030043698" "20030174589" "20070008824" "2472351" "3675414" "4178751" "4194351" "4229936" "4462697" "4638409" "4704037" "4708492" "4727524" "4897826" "4958279" "5010532" "5500837" "5899370" "6224254" "6238083" "6556222" "6619836" "6728166" "6766182" "6775206" "6796708" "6857775" "6968508" "6971789" "7114845" "D474984").PN. OR ("7874722").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 13:55
S1046	7247	g06f1/163.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 13:57
S1047	9651	a61b5/681,0059.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 13:58
S1048	7577	361/679.01-679.03.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 13:58
S1049	22	((("20190076089" or ("10285643" or ("9730340" or ("10368457") or ("20180299834" or ("20160062398" or ("10222756" or ("20160054537" or ("20160313703" or ("20110187245" or ("9846452" or ("9232670" or ("20130328462" or ("10018966" or ("9606579" or ("20170196112" or ("20110186345" or ("8551283" or ("20120275100" or ("20110188180" or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16 14:01

		("9185816" or ("8797721")).PN.				
S1050	16	("2719403" "3727367" "4181317" "4205523" "4276630" "4970708" "5363350" "5657298" "6357908" "6575619" "6616329").PN. OR ("6971789").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:07
S1051	61	("1093257" "1797583" "2758763" "2791314" "3480432" "3492809" "3545199" "3677059" "4034433" "4060185" "4081815" "4101325" "4277842" "4334758" "4407850" "4588277" "4742503" "4759926").PN. OR ("4958279").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:11
S1052	4	S1051 and tension\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:12
S1053	1	S1050 and tension\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:13
S1054	0	S1046 and (tension\$3 near ring)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:15
S1055	0	S1047 and (tension\$3 near ring)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:15
S1056	0	S1046 and (tension\$3 near ring)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:15
S1057	597	S1046 and (tension\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:16
S1058	1154	S1047 and (tension\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:16
S1059	438	S1048 and (tension\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:16
S1060	122	S1057 and (wear\$4 near3 ((electronic near (device or watch or iwatch))))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:31
S1061	51	S1058 and (wear\$4 near3 ((electronic near (device or watch or iwatch))))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:35
S1062	8	S1059 and (wear\$4 near3 ((electronic near (device or watch or iwatch))))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:36
S1063	151	S1060 S1061	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:38
S1064	4	S1063 and ((tension\$3) with (cover or panel or door or closure))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:39
S1065	1	"20170017273"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/16; 14:48
S1073	8166	G06F1/163,1633.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 15:41
S1074	7577	361/679.01-679.03.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 15:41
S1075	1	"20180284838"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 15:49
S1076	2262	((("20180284838" or ("20160036480" or ("20160211879" or ("9300346" or ("9647714" or ("20170373713" or ("20190215025" or ("10153800" or ("9793941" or ("20150370150" or ("9454066" or ("20160014243" or ("9980542" or ("20170172267" or ("20160370690" or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 15:50

("9521889") or ("8960634") or ("20150163936") or
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("20170235484") or ("20170328514") or ("9293274") or
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or ("20180140076") or ("20120223200") or ("9314078") or
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("20180374715") or ("20080252183") or ("4330812") or ("7916427") or ("20050156367") or ("7031115") or ("20110228470") or ("6011670") or ("7324302") or ("4893210") or ("8953281") or ("6560075") or ("7203060") or ("20060279935") or ("20180195530") or ("8355298") or ("20110012631") or ("6347035") or ("7581404") or ("7094478") or ("5458940") or ("5808864") or ("20020055293") or ("7389519") or ("20010046119") or ("7643243") or ("20190288022") or ("20180158473") or ("20100216620") or ("6826010") or ("6141211") or ("5043973") or ("20110176242") or ("20020149884") or ("20190162832") or ("20110011844") or ("20050046997") or ("20180172198") or ("20100218932") or ("7359159") or ("8798308") or ("5365388") or ("8441896") or ("20060288815") or ("10397676") or ("20010043019") or ("9326386") or ("20060075509") or ("10060495") or ("20030228819") or ("20090044212") or ("5337865") or ("10085364") or ("8665601") or ("6246552") or ("20090288491") or ("20120091660") or ("20060177170") or ("4757406") or ("4728831") or ("20120026668") or ("5414574") or ("7570490") or ("6563676") or ("7599175") or ("8411388") or ("6742381") or ("8014555") or ("6151198") or ("5351940") or ("8006562") or ("20010028624") or ("9552848") or ("8861129") or ("8474572") or ("20090000893") or ("4623952") or ("6970330") or ("7351925") or ("5867340") or ("7264041") or ("6106430") or ("20160267928") or ("20100170746") or ("20180005654") or ("20130010393") or ("20130220074") or ("7903369") or ("9773516").PN. or ("20040218363") or ("20150198215") or ("6791791") or ("5218215") or ("20120188705") or ("8111487") or ("20180284856") or ("9282681") or ("5914828") or ("7810798") or ("20130070189") or ("6909571") or ("6621653") or ("20140160593") or ("20050073809") or ("20180049349") or ("5835303") or ("6717799") or ("20120293945") or ("20170131160") or ("5407034") or ("20080301725") or ("9990946") or ("6688439") or ("5678840") or ("20050195522") or ("20190107870") or ("20080034383") or ("20130083960") or ("8649168") or ("6719385") or ("20140348349") or ("7565226") or ("5277882") or ("10177066") or ("7082670") or ("8561993") or ("20180115830") or ("7142396") or ("9883615") or ("8164337") or ("20050167194") or ("20080024981") or ("20170154135") or ("8302928") or ("20080017354") or ("20060165323") or ("20100196736") or ("20110012632") or ("20130048415") or ("7585226") or ("20120097363") or ("20180254234") or ("20030109621") or ("20150171773") or ("7969730") or ("6236126") or ("8336405") or ("6671124") or ("7352536") or ("4216937") or ("5339580") or ("20070000722") or ("6417986") or ("6430042") or ("10416735") or ("6759588") or ("7057890") or ("20080074797") or ("20160270265") or ("20150275652") or ("6437977") or ("7545648") or ("20060263598") or ("6597544") or ("6781791") or ("10149399") or ("9826623") or ("6484860") or ("8427776") or ("20190109515") or ("5063098") or ("5206762") or ("5067041") or ("20040095670") or ("20050248877") or ("20040070926") or ("20050195521") or ("20070252451") or ("7248442") or ("20060098332") or ("7064922") or ("5286013") or ("6105381") or ("8724310") or ("8134807") or ("20140233179") or ("20040085675") or ("6034941") or ("6890970") or ("20070103011") or ("8505696") or ("5680295") or ("20150165465") or ("20150225113") or ("10162382") or ("7277256") or ("4875117") or ("20160157334") or ("7497626") or ("20070081269") or ("20120085527") or ("5760986") or ("6002658") or ("20030097838") or ("20040012892") or ("20060164763") or ("RE33813") or ("9846091") or ("20090195123") or ("7327909") or ("20120024086") or ("6285524") or ("5627701") or ("6404086") or ("6388348") or ("7433159") or ("20140110500") or ("20020071222") or ("7041377") or ("20040128677") or ("20060278371") or ("5065262") or ("6506489").PN. or ("20120170148") or ("6667569") or ("6697217") or ("20040252403") or ("20050210482") or ("7635934") or ("9744563") or ("10236189") or ("5349486") or ("20110255850") or ("6768066") or ("20010032764") or ("20010036061") or ("5041934") or ("20030128475") or ("20070145842") or ("20060092235") or ("6310747") or ("8450225") or ("5669232") or ("20080151432") or

		(("6407916") or ("20100020445") or ("10002645") or ("20090326140") or ("6333849") or ("9099903") or ("20100027166") or ("7541551") or ("20030227719") or ("20020181196") or ("6842306") or ("20080023178") or ("20080158802") or ("5183863") or ("6172842") or ("20020145822") or ("7780155") or ("20040130082") or ("20060002012") or ("20020089782") or ("20120039491") or ("20170309304") or ("6520013") or ("20100314210") or ("7148418") or ("20190121238") or ("7929245") or ("6501645") or ("20020081956") or ("10256700") or ("20070151967") or ("20150208550") or ("8655482") or ("20040031141") or ("20140312750") or ("6496367") or ("5715117") or ("6591610") or ("20130241323") or ("20040233573") or ("20160058188") or ("7307228") or ("20160329081") or ("20090074569") or ("6202217") or ("7804663") or ("6529345") or ("6724560") or ("7636222") or ("20180269828") or ("6257328") or ("5277409") or ("10075101") or ("20100051778") or ("20080151421") or ("20060196751") or ("20190123620") or ("20170340113") or ("20190211882") or ("20050117295") or ("20110317140") or ("7106553") or ("20070050795") or ("20010033452") or ("5140478") or ("7911778") or ("9010202") or ("6532150") or ("20160327390") or ("7447014") or ("7370341") or ("5379171") or ("20130036611") or ("6839230") or ("20180067003") or ("20100238594") or ("9306440") or ("5759113") or ("6091575") or ("6826018") or ("20030205857") or ("5572387") or ("20090056703") or ("9538269") or ("20180306241") or ("20050237664") or ("5022462") or ("20150169015") or ("6072661") or ("7064956") or ("7737609") or ("20020105782") or ("20190156866") or ("9247660") or ("9763518") or ("8130496") or ("6830492") or ("6525899") or ("8437130") or ("8451608") or ("20180242653") or ("20020089105") or ("5532889") or ("20110317310") or ("5959801") or ("5732064") or ("20100230203") or ("7629716") or ("6510121") or ("20080074836") or ("9740252") or ("7286354")).PN. or ("20180015979") or ("20130014528") or ("20080170370") or ("6967833") or ("6831882") or ("20110222235") or ("20150316855") or ("20180248098") or ("7683509") or ("20070051578") or ("5213879") or ("20160179146") or ("20020033561") or ("20080100966") or ("6034834") or ("6047804") or ("7164554") or ("20050135000") or ("20090040712") or ("20100254092") or ("20190278185") or ("8411436") or ("4216505") or ("20060113351") or ("8213124") or ("6536566") or ("20030168295") or ("7085108") or ("20170368899") or ("20170138435") or ("20080018181") or ("20150313028") or ("20070173565") or ("5050446") or ("6879466") or ("8693194") or ("4236448") or ("20130152989") or ("20110108312") or ("20030021219") or ("20080156622") or ("9879520") or ("20120097335") or ("20050068666") or ("7965503") or ("20120299418") or ("20080247094") or ("4643385") or ("20080018180") or ("20070138719") or ("6116389") or ("20190198053") or ("8051947") or ("20180124945") or ("6588554") or ("20140014808") or ("5875589") or ("20030179503") or ("20080025845") or ("9546826") or ("7883456") or ("20120087082") or ("20090161243") or ("5781379") or ("20010044340") or ("7501740") or ("6968563") or ("20180081397") or ("10195633") or ("10360939") or ("20140076523") or ("6332705") or ("7077990") or ("8161626") or ("20050211459") or ("20190017264") or ("20080189578") or ("20080245989") or ("5114124") or ("7405928") or ("20180252739") or ("7620739") or ("4564247") or ("20050200243") or ("6407922") or ("8587893") or ("20060152905") or ("6201783")).PN.				
S1080	2688	((("20180053533") or ("20190025893") or ("10079042") or ("20160198565") or ("9804644") or ("20180374716") or ("20190267254") or ("20180374714") or ("10319609") or ("20190267253") or ("10304699") or ("20180374715") or ("10236189") or ("20180084680") or ("10244659") or ("20180343772") or ("20130235537") or ("8922988") or ("20050088822") or ("20120281364") or ("8879263") or ("9385059") or ("20150062825") or ("7106588") or ("7385812") or ("5745344") or ("20080218970") or ("20070041160") or ("20040218362") or ("20010045297") or ("20040042175") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 15:55

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		("20190006124") or ("20050213328") or ("9899330") or ("6724626") or ("20150008829") or ("9163883") or ("6657858") or ("20100072510") or ("20080240656") or ("20170067759") or ("9605844") or ("6916122") or ("20090317236") or ("20100075448") or ("20100296252") or ("20160278237") or ("20060034052") or ("9655288") or ("20170194300") or ("20130044476") or ("7272010") or ("20020197766") or ("20030103331") or ("20180321717") or ("20190223285") or ("4884631") or ("4842911") or ("5073521") or ("20110090684") or ("5943213") or ("20020093788") or ("7298028") or ("20050275087").PN. or ("20080029506") or ("9961812") or ("20030041442") or ("20130242507") or ("6317325") or ("7764462") or ("20050218508") or ("20060227515") or ("20030227959") or ("20030169983") or ("20060076046") or ("10234915") or ("10356944") or ("20160120058") or ("20070243661") or ("20090289553") or ("20190059152") or ("20140160673") or ("20090139690") or ("20160252439") or ("20110300505") or ("20170299277") or ("20090103268") or ("20110235278") or ("20060133043") or ("8824142") or ("20100210049") or ("20110101410") or ("5386894") or ("20180014431") or ("20130032934") or ("20160234362") or ("8003416") or ("8591196") or ("20110292560") or ("20170149940") or ("20080215284") or ("6373696") or ("20140266849") or ("8309399") or ("10098259") or ("7791889") or ("9144149") or ("20080074841") or ("5930115") or ("7928348") or ("5552634") or ("20020195702") or ("20150108630") or ("4227036") or ("7116215") or ("8129001") or ("7773379") or ("20100213604") or ("8786076") or ("20010033476") or ("20120241941") or ("6849867") or ("20050078456") or ("8256829") or ("20110089465") or ("20190145713") or ("7599146") or ("2015019236").PN.				
S1081	13	((("20180053533") or ("20190025893") or ("10079042") or ("20160198565") or ("9804644") or ("20180374716") or ("20190267254") or ("20180374714") or ("10319609") or ("20190267253") or ("10304699") or ("20180374715") or ("10236189")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 15:55
S1082	1987	S1077 not S1076	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 16:03
S1083	32	S1078 S1081	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 16:03
S1084	2375	S1080 not S1079	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 16:04
S1085	8843	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:01
S1086	962	g06f1/1669.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:03
S1087	3480	S1085 and magnet\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:04
S1088	559	S1086 and magnet\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:04
S1089	2225	S1087 and ((tablet or portable) near (device or computer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:06
S1090	435	S1088 and ((tablet or portable) near (device or computer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:06
S1091	1609	S1089 and (keyboard or (key near (pad or board)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:07
S1092	424	S1090 and (keyboard or (key near (pad or board)))	US-PGPUB;	OR	OFF	2019/09/25

			USPAT; USOCR			17:07
S1093	1101	S1091 and (pivot\$4 or rotat\$4 or hing\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:07
S1094	404	S1092 and (pivot\$4 or rotat\$4 or hing\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:07
S1095	973	S1093 not S1094	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:09
S1096	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:26
S1097	1346	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:26
S1098	275	S1097 and ((tablet or portable) near (device or computer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:26
S1099	1613	S1096 S1097	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:26
S1100	320	S1099 and ((tablet or portable) near (device or computer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:27
S1101	59	S1100 and dock\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:27
S1102	36	S1101 and (keyboard or (key near (pad or board)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:27
S1103	13	("20050139740" "20080232061" "20100081473" "20110038105" "4571456" "6430038" "7059576" "7068496" "7280348" "7586743" "7922132").PN. OR ("8937803").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:30
S1104	2	"20050139740"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:32
S1105	18	("0681976" "20030019996" "20030213886" "4044980" "4440373" "4522364" "4886231" "6045108" "6216316" "6679468").PN. OR ("7059576").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:32
S1106	33	("20040114315" "20060261605" "20070035917" "20070121303" "20070217135" "20080232061" "20090103261" "20100123663" "20100176698" "20100238620" "20100321877" "20130027872" "20130031289" "20130094134" "20130128453" "20130162554" "20130242490" "20140313665" "4618119" "5085394" "6366440" "6922333" "7239505" "7907393" "8230992" "8693191" "8937803").PN. OR ("9072174").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:34
S1107	1	"20130242490"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:42
S1108	4	("20170351298" "9372511" "9778702" "9823701").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/25 17:52
S1109	1	("20150041341").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/25 17:52
S1110	4	("20130279096" "20170177037" "20170192455" "20180196473").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/25 17:52
S1111	9	S1108 S1109 S1110	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 17:53
S1114	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 20:59

S1115	1346	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 20:59
S1116	1369	361/679.41-679.44.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 20:59
S1117	8843	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 20:59
S1118	962	g06f1/1669.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1119	191	361/679.17.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1120	1613	S1114 S1115	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1121	63	S1116 and S1120	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1122	87	S1117 and S1120	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1123	25	S1118 and S1120	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1124	7	S1119 and S1120	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1125	141	S1121 S1122 S1123 S1124	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1126	34	S1125 and magnet\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:00
S1127	15	("20060007645" "20100022719" "6700775" "6781823" "6882524" "6940713" "7002794" "7379382" "7916468" "8665589").PN. OR ("9025327").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:07
S1128	21	("20020159226" "20020171020" "20050073808" "20050135049" "20050139740" "20120229970" "20130015310" "20140139989" "20150153783" "6700775" "6986492" "7916468" "8253518" "8665589" "9019695" "9025327" "9081544" "9600034").PN. OR ("9996112").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:11
S1129	43	("20010027589" "20050057893" "20070279002" "20100123663" "20100238620" "20110096513" "20110182030" "20110241607" "20110255221" "20120057288" "20120087100" "20120170191" "20130039000" "20130070408" "20130163187" "20130279096" "20130279100" "20140139989" "20150185783" "6381808" "6937468" "7103698" "7327560" "7983035" "8129939" "8472168" "8526172" "8599542" "8699215" "8817457" "8929070" "8947867" "8995121" "9019695" "9218025" "9256256" "9268369" "9483076" "9489054").PN. OR ("9600034").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:17
S1130	2	"20110096513"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:25
S1131	19	("4730160" "5295089" "5859762" "6778196" "6922333" "7280348" "7586743").PN. OR ("8358513").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:25
S1132	232	S1121 S1122 S1123 S1124 S1125 S1126 S1127 S1128 S1129 S1130 S1131	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25 21:53
S1133	39310	"1093"	US-PGPUB;	OR	OFF	2019/09/25;

			USPAT; USOCR			21:54
S1134	8843	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 21:54
S1135	3480	S1134 and magnet\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 21:54
S1136	2225	S1135 and ((tablet or portable) near (device or computer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 21:54
S1137	1609	S1136 and (keyboard or (key near (pad or board)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 21:54
S1138	1101	S1137 and (pivot\$4 or rotat\$4 or hing\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 21:54
S1139	1101	S1138	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 21:54
S1140	1072	S1139 not S1132	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 21:58
S1141	1072	S1140 and magnet\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 22:00
S1142	52	(US-20050139740-\$ or US-20130242490-\$ or US-20130128453-\$ or US-20130031289-\$ or US-20160179142-\$ or US-20160189328-\$ or US-20170364125-\$ or US-20170068281-\$ or US-20170192455-\$ or US-20170177037-\$ or US-20150041341-\$ or US-20150277499-\$ or US-20160357224-\$ or US-20180081402-\$ or US-20170351298-\$ or US-20170163304-\$ or US-20140347814-\$ or US-20160327994-\$ or US-20160282955-\$ or US-20160252971-\$ or US-20140043743-\$ or US-20150043155-\$ or US-20140362044-\$ or US-20140139989-\$ or US-20060007645-\$ or US-20120229970-\$).did. or (US-20130279096-\$ or US-20120057288-\$ or US-20110096513-\$ or US-20140104761-\$ or US-20140071654-\$ or US-20130088431-\$ or US-20130015310-\$ or US-20110317354-\$ or US-20180107253-\$ or US-20170191608-\$ or US-20170060180-\$).did. or (US-8937803-\$ or US-9072174-\$ or US-7280348-\$ or US-7586743-\$ or US-8988863-\$ or US-9778703-\$ or US-9372511-\$ or US-9618987-\$ or US-9025327-\$ or US-8913376-\$ or US-9996112-\$ or US-9600034-\$ or US-8995149-\$ or US-9019695-\$ or US-8472168-\$).did.	US-PGPUB; USPAT	OR	OFF	2019/09/25; 23:49
S1143	1	S1142 and foam	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 23:50
S1144	47	S1142 and magnet\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/25; 23:50
S1145	21	("20040160735" "20050111182" "20060007645" "20090263620" "20100238620" "5193069" "6937468").PN. OR ("8913376").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/26; 00:07
S1146	10	S1132 and foam	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/26; 00:20
S1147	88	S1141 and foam	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/26; 00:20
S1148	88	S1147 not S1146	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/26; 00:21
S1149	1	"20180328402"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 17:04
S1150	2790	((("20180328402") or ("6047444") or ("20160297344") or	US-PGPUB;	OR	OFF	2019/09/28;

("20130136567") or ("20190168656") or ("9341212") or
("10239435") or ("8631528") or ("5673459") or ("20190168655")
or ("8533884") or ("20150371482") or ("9959696") or ("8166594")
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or ("9050229") or ("9820899") or ("20150225021") or ("9376048")
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("20060005353") or ("20050276412") or ("20080271268")).PN. or
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("7832612") or ("20180141478") or ("9566064") or
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S1152	1	"20070008685"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:23
S1153	5	("20010010621" "20060034044" "6512670" "7057886" "7277272").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:24
S1154	2234	S1150 and cam	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:30
S1155	472	S1154 and display	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:30
S1156	472	S1155 and (hing\$4 or rotat\$4 or pivot\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:31
S1157	1	"6047444".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:43
S1158	2827	((("20180328402") or ("6047444") or ("5673459") or ("8631528") or ("20150371482") or ("8533884") or ("9959696") or ("20160297344") or ("20130136567") or ("20190168656") or ("8166594") or ("9341212") or ("10239435") or ("20190168655") or ("20120280080") or ("8876039") or ("6877806") or ("20040075308") or ("6290297") or ("20050146170") or ("20140248109") or ("9271883") or ("8869333") or ("7267400") or ("20140245548") or ("8375496") or ("8517659") or ("6412849") or ("20110268544") or ("8250693") or ("7753753") or ("20190247248") or ("8635729") or ("20060151909") or ("9783094") or ("20130315697") or ("20080081536") or ("8813290") or ("20190283555") or ("8925131") or ("4734939") or ("9050229") or ("4917526") or ("9820899") or ("6446906") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:46

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		("20190000474") or ("7043790") or ("20020170471") or ("4044487") or ("9185953") or ("7556468") or ("9924942") or ("20070069073") or ("20150136928") or ("9944235") or ("5731014") or ("5570915") or ("20060156494") or ("20180064443") or ("10245030") or ("20020013979") or ("20110260596") or ("20180222401") or ("7162761") or ("3882626") or ("20180345871") or ("8918939") or ("20160169156") or ("20190069668") or ("6170913") or ("20020124736") or ("20130307303") or ("7441995") or ("2993419") or ("20030110703") or ("8783614") or ("20170290471") or ("8001637") or ("20150197378") or ("5237709") or ("20110088176") or ("9375100") or ("20070083222") or ("20150053744") or ("6196617") or ("20140203587") or ("8398111") or ("20100083779") or ("5334073") or ("4336914") or ("4000870") or ("20150253097") or ("20020037658") or ("20040250382") or ("7107915") or ("9510828") or ("10100565") or ("20190000452") or ("8747180") or ("6537090") or ("20050250986") or ("20020120979") or ("5014258") or ("2389551") or ("20160367245") or ("20160166256") or ("20170099959") or ("20060117529") or ("5638839") or ("6340190") or ("20050172426") or ("6182301") or ("5018783") or ("4378080") or ("20120165082") or ("20050250987") or ("20060133796") or ("20040195819") or ("8347440") or ("20190128030") or ("20130047835") or ("20070017043") or ("8915474") or ("20110088177") or ("20190233108") or ("20080231103").PN.				
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S1160	295	S1159 and (hing\$4 or rotat\$4 or pivot\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:47
S1161	109	S1160 and eject\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:48
S1162	378	("20010001083" "20010001319" "20010055071" "20020005917" "20020085129" "20020105507" "20020113451" "20020149708" "20020186531" "20030020840" "20030021086" "20030025367" "20030036357" "20030112585" "20030128183" "20030137584" "20030140352" "20030184137" "20030198008" "20030202005" "20030222848" "20040007906" "20040080213" "20040085337" "20040085485" "20040085718" "20040086259" "20040125549" "20040130616" "20040160096" "20040212957" "20040227372" "20040227695" "20040227696" "20040227861" "20040228622" "20040237111" "20050005298" "20050020320" "20050024356" "20050052046" "20050098593" "20050099042" "20050099495" "20050099547" "20050099548" "20050102697" "20050110313" "20050110913" "20050122670" "20050132407" "20050155068" "20050166238" "20050174498" "20050200697" "20050223406" "20050232585" "20050235326" "20050235327" "20050242636" "20050242637" "20050242638" "20050249357" "20050251833" "20060023412" "20060034040" "20060047426" "20060070102" "20060070103" "20060097537" "20060112144" "20060119151" "20060125295" "20060128303" "20060218595" "20060227212" "20060236345" "20060238529" "20060290835" "20070008094" "20070052618" "20070057541" "20070070259" "20070091015" "20070096517" "20070101372" "20070105444" "20070108788" "20070164609" "20080067842" "20080093956" "20080165293" "20080191505").PN. OR ("20080252118" "20090013357" "20090235513" "20090315368" "20100017827" "20100067884" "20100146563" "20100211708" "20100246155" "20110167460" "20110181796" "3019050" "3284041"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28 17:53

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S1163	257	S1162 and (hing\$4 or rotat\$4 or pivot\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 17:54
S1164	42	S1163 and eject\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 17:57
S1165	8847	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 17:58
S1166	5509	S1165 and (hing\$4 or rotat\$4 or pivot\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 17:58
S1167	736	S1166 and eject\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:02
S1168	48	("4969830" "5402310" "5805412" "5870283" "6072695"	US-PGPUB;	OR	OFF	2019/09/28;

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S1169	132	S1167 and cam	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:20
S1170	22670	(hing\$4 or rotat\$4 or pivot\$4) near (display)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:29
S1171	7	S1163 and (eject\$3 near button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:29
S1172	537	g11b33/025.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:32
S1173	1312	g11b33/10.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:33
S1174	51	S1172 and (eject\$3 near button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:33
S1175	105	S1172 and (eject\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:33
S1176	51	S1173 and (eject\$3 near button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:33
S1177	191	S1173 and (eject\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:33
S1178	286	S1174 S1175 S1176 S1177	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:33
S1179	225	S1178 and (hing\$4 or rotat\$4 or pivot\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:33
S1180	104	S1170 and (eject\$3 near button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:34
S1181	4	S1179 and (slid\$4 near3 button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:35
S1182	8	S1180 and (slid\$4 near3 button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:35
S1183	12	S1181 S1182	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 18:35
S1184	1	("4810087" "D000es.").PN.	US-PGPUB; USPAT	OR	OFF	2019/09/28; 19:36
S1185	0	361/681.ccls.	US-PGPUB; USPAT	OR	OFF	2019/09/28; 19:38
S1186	26	("20040005138" "20050025466" "20050213297" "20060130078" "4481382" "4633323" "5499221" "7184259").PN. OR ("7277272").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:43
S1187	2	"20060130078"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:47
S1188	15	("20040005138" "20050025466" "6006243" "6522368" "7277272" "D409608" "D466490" "D469419" "D478887" "D521964" "D532400").PN. OR ("7398535").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:47
S1189	1	"20050025466"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:48

S1190	1	"20050213297"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:48
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S1192	3	("20020034127" "6272575" "6813147").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:49
S1193	24	S1191 S1192	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:49
S1194	16	("0000006" "5265083").PN. OR ("6813147").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 19:54
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S1197	998	S1170 and ((hing\$4 or rotat\$4 or pivot\$4) near (slid\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:00
S1198	2180	S1170 and ((hing\$4 or rotat\$4 or pivot\$4) near3 (slid\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:00
S1199	198	S1197 and ((hing\$4 or rotat\$4 or pivot\$4) near3 (spring\$4 or bias\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:00
S1200	486	S1198 and ((hing\$4 or rotat\$4 or pivot\$4) near3 (spring\$4 or bias\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:00
S1201	0	S1199 and (eject\$4 near2 button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:01
S1202	2	S1200 and (eject\$4 near2 button\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:01
S1203	50	S1200 and (eject\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:01
S1204	28	S1199 and (eject\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:01
S1205	50	S1203 S1204	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:02
S1206	0	"14667107".apn.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:12
S1207	5	"667107".apn.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 21:12
S1208	9	("20070296224" "20090213536" "5793614" "8098488").PN.	US-PGPUB;	OR	OFF	2019/09/28;

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S1209	1	"20170068276"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 22:16
S1210	2	"20160179142"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 22:17
S1211	73	("20060244870" "5863221" "6129321" "7532735" "7312984" "7688580" "20050288071" "4942356" "5201896" "5257164" "5588853" "6502265" "6987787" "7090534" "7509824" "8472186" "20070261978" "20070086273" "20060021154" "20110102995" "4732281" "5501607" "5626489" "6247965" "6446913" "20130044420" "5199888" "7563113" "20030137148" "20040143368" "20100170303" "5205524" "5320311" "5730409" "6481679" "7861992" "7263032" "20110211300" "9668370" "20080004904" "20090084601" "20100107076" "5420828" "5836563" "6171118" "7445490" "20040260427" "20090086459" "5016952" "6700773" "7688580" "20070115387" "20100006314" "20090219676" "20100070089" "5895022" "5980278" "6112224" "7118000" "20050254778" "20140368994" "4649453" "7611371" "20070014491" "20090101382" "4928914" "5262762" "6467745" "6504707" "6888067" "7401755" "7744411" "4584718" "6757160").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 22:57
S1212	58	("5863221" "7532735" "5262762" "5836563" "6504707" "6129321" "4942356" "5201896" "5588853" "7090534" "7509824" "6502265" "6987787" "4732281" "20060244870" "6446913" "20050288071" "5257164" "7997555" "5501607" "5626489" "6247965" "20060021154" "20100170303" "20110102995" "6700773" "6504717" "5205524" "5730409" "6481679" "7861992" "20040143368" "20030137148" "5320311" "20050288071" "8472186" "20090084601" "6171118" "7445490" "20080004904" "5420828" "7401755" "20100107076" "8050030" "5016952" "20090086459" "7688580" "20040260427" "5980278" "6112224" "7118000" "20100070089" "5895022" "20090101382" "4928914" "6467745" "6888067" "7744411" "20070014491").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 22:57
S1213	3	S1212 not S1211	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 23:01
S1214	0	S1213 and (waterproof\$4 or (water near2 proof\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 23:04
S1215	12	((("20100006314") or ("20070261978") or ("20070086273") or ("20050254778") or ("7688580") or ("7312984") or ("7263032") or ("5980278") or ("5863221") or ("5588853") or ("4649453") or ("4584718")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/28; 23:30
S1216	2	((("20050288071") or ("5836563")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 01:31
S1217	73	("20060244870" "5863221" "6129321" "7532735" "7312984" "7688580" "20050288071" "4942356" "5201896" "5257164" "5588853" "6502265" "6987787" "7090534" "7509824" "8472186" "20070261978" "20070086273" "20060021154" "20110102995" "4732281" "5501607" "5626489" "6247965" "6446913" "20130044420" "5199888" "7563113" "20030137148" "20040143368" "20100170303" "5205524" "5320311" "5730409" "6481679" "7861992" "7263032" "20110211300" "9668370" "20080004904" "20090084601" "20100107076" "5420828" "5836563" "6171118" "7445490" "20040260427" "20090086459" "5016952" "6700773" "7688580" "20070115387" "20100006314" "20090219676" "20100070089" "5895022" "5980278" "6112224" "7118000" "20050254778" "20140368994" "4649453" "7611371" "20070014491"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 01:33

		"20090101382" "4928914" "5262762" "6467745" "6504707" "6888067" "7401755" "7744411" "4584718" "6757160").PN.				
S1218	33	S1217 and water	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 01:33
S1219	35	S1217 and (water or waterproof or (water near proof))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 01:33
S1220	1	("6504707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 01:47
S1221	2	((("20100320884") or ("20040184228")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:07
S1222	6	("6560612" "9015625" "20160370910" "20040145862" "20110193813" "20170068346").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:07
S1223	2	((("20150002398") or ("20170177030")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:17
S1224	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:19
S1225	1346	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:19
S1226	1613	S1224 S1225	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:19
S1227	90	S1226 and (touchpad or (touch near pad))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:19
S1228	52	S1227 and switch\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:19
S1229	15198	display near2 (touchpad or (touch near pad))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:24
S1230	7912	display near (touchpad or (touch near pad))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:24
S1231	6041	S1230 and switch\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:25
S1232	1928	S1231 and (hing\$4 or rotat\$4 or pivot\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:26
S1233	22	S1232 and (tactile near3 switch\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:27
S1234	61	S1229 and (tactile near3 switch\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:28
S1235	42	S1234 and (hing\$4 or rotat\$4 or pivot\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 02:30
S1236	9743	(display near (touchpad or (touch near pad) or trackpad or (track near pad)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 15:13
S1237	50	S1236 and (switch\$3 near3 tactile)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29; 15:14
S1238	3426	g06f1/169.cpc.	US-PGPUB;	OR	OFF	2019/09/29;

			USPAT; USOCR			15:19
S1239	2379	g06f1/1662.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:20
S1240	10883	g06f1/1616.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:20
S1241	249397	((mousepad or (mouse near pad) or touchpad or (touch near pad) or trackpad or (track near pad)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:20
S1242	1751	S1238 and ((mousepad or (mouse near pad) or touchpad or (touch near pad) or trackpad or (track near pad)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:20
S1243	920	S1239 and ((mousepad or (mouse near pad) or touchpad or (touch near pad) or trackpad or (track near pad)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:20
S1244	2888	S1240 and ((mousepad or (mouse near pad) or touchpad or (touch near pad) or trackpad or (track near pad)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:20
S1245	47	S1242 and (switch\$3 near3 tactile)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:21
S1246	14	S1243 and (switch\$3 near3 tactile)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:21
S1247	19	S1244 and (switch\$3 near3 tactile)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:21
S1248	59	S1245 S1246 S1247	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:21
S1249	59	S1248 and (display\$3 or imag\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:21
S1250	19	S1248 and ((display\$3 or imag\$3) near4 ((mousepad or (mouse near pad) or touchpad or (touch near pad) or trackpad or (track near pad))))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:22
S1251	1	"20190073003"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:35
S1252	13	("20070013663" "20070014097" "20080180654" "20090128495" "20120050646" "20120103778" "20130113706" "20130215122" "20130335329" "20150370339" "20170017324" "20180196186" "7839379").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 15:35
S1253	2	"20100079404"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:00
S1254	60	("20030030627" "20050052425" "20060007167" "20060181515" "20060250377" "20070052691" "20070229467" "20080202824" "4587378" "5119258" "5245245" "5977867" "5977888" "6243080" "6271830" "6281887" "6661399" "6822635" "7850378" "7934292").PN. OR ("8441450").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:00
S1255	1	"20100320884"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:09
S1256	1	"20040184228"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:09
S1257	2	S1255 S1256	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:09

S1258	85542	allen.inv.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:22
S1259	267	haughton.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:22
S1260	1346	haughton.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:22
S1261	1613	S1259 S1260	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:22
S1262	17	S1258 and S1261	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:22
S1263	149	("20010049949" "20030085125" "20040007651" "20050150263" "20050161557" "20050178173" "20050247584" "20060032877" "20060117814" "20060176661" "20070205125" "20070235493" "20080110217" "20100320884" "3181319" "3275160" "3410122" "3410580" "3535898" "3707860" "3945227" "3965705" "4009599" "4066231" "4418553" "4426863" "4696449" "4733840" "4738428" "4821538" "4856304" "4870842" "5052198" "5052199" "5076079" "5082232" "5085395" "5135197" "5154456" "5169114" "5265449" "5345219" "5351507" "5351508" "5361610" "5381685" "5406809" "5446618" "5469726" "5493878" "5502989" "5526226" "5531082" "5542723" "5560481" "5568359" "5582044" "5595074" "5608605" "5645261" "5675998" "5709110" "5760690" "5762306" "5787738" "5787739" "5794463" "5816076" "5836183" "5926092" "5927108" "6000252" "6006557" "6138483" "6155088" "6178089" "6182481" "6185964" "6212921" "6216499" "6237375" "6257542" "6275378" "6308928" "6317936" "6331934" "6427499" "6443417" "6477871" "6497125" "6560710" "6578394" "6581420" "6590767" "6612455" "6684548" "6689954" "6697252" "6705133" "6708966" "6711921" "6735990" "6755056" "6763690" "6788216" "6796536" "6810698" "6820362" "6865914" "6913238" "6920770" "6926141" "7007912" "7107054" "7255228" "7315443" "7409842" "7443665" "7499269" "7499270").PN. OR ("7647796" "7963132" "8107236" "8111511" "D405348" "D415950" "D425402" "D436310" "D485060" "D491009" "D499546" "D503532" "D519731" "D521232" "D533994" "D553352" "D559076" "D565839" "RE28187").PN. OR ("8837144").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:24
S1264	2348	g06f1/1679.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:30
S1265	1609	S1264 and (((clamshell or (clam near shell) or portable or notebook or laptop or (lap near top)) near2 (computer)) or (laptop or (lap near top)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:32
S1266	164	S1265 and (anchor\$3 or keylock or (key near lock))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:32
S1267	36	("5568359" "5692400" "5694292" "5805412" "6331934" "6424524").PN. OR ("6697252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:37
S1268	59	("3707860" "4738428" "4821538" "4856304" "5345219" "5351508" "5361610" "5406809" "5608605").PN. OR ("5787738").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 16:53
S1269	11	("20050028571" "20050248914" "20120125057" "20120201000" "20120211377" "20130083466" "20130186682" "20130259564" "5531082" "5787738" "7415852").PN. OR ("10282566").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 17:00
S1270	75	("3596265" "3824540" "4211995" "4663611" "4698620" "4875350" "4896140" "4935725" "4992789" "5034723"	US-PGPUB; USPAT;	OR	OFF	2019/09/29 17:12

		"5142269" "5172098" "5190466" "5231375" "5254973" "5289559" "5381685" "5406260" "5493878" "5561417" "5570080" "5617073" "5675321" "5692400" "5727405" "5787738" "5912623" "5960651" "6037867" "6087939" "6100802").PN. OR ("6389853").URPN.	USOCR				
S1271	2	"20130259564"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 17:31	
S1272	8	("20110026197" "6517129" "6927972" "7405927" "7637540" "7997631" "8009424").PN. OR ("9077095").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 17:33	
S1273	31	("20040001049" "20060183505" "20090244016" "20100238620" "20100321275" "20150103014" "20170069299" "20170255320" "20170344120" "20180088632" "20180121012" "20180129391" "20180188774" "20180232010" "5739810" "5847698" "6510048" "6700773" "6922333" "7061472" "7551428" "7663602" "7990702" "7991442" "8310823" "8331098" "8803816" "8988876" "9684342" "9740237" "9874908").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 23:11	
S1274	31	("20040001049" "20060183505" "20090244016" "20100238620" "20100321275" "20150103014" "20170069299" "20170255320" "20170344120" "20180088632" "20180121012" "20180129391" "20180188774" "20180232010" "5739810" "5847698" "6510048" "6700773" "6922333" "7061472" "7551428" "7663602" "7990702" "7991442" "8310823" "8331098" "8803816" "8988876" "9684342" "9740237" "9874908").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 23:11	
S1275	31	S1273 S1274	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/29 23:12	
S1276	7	((("8988876") or ("20180188774") or ("9740237") or ("8310823") or ("7991442") or ("7990702") or ("6700773"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:43	
S1277	5	((("9874908") or ("8988876") or ("20170068299") or ("20100321275") or ("7991442"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:44	
S1278	1	"20180188774"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:50	
S1279	18	("20020039276" "20150116362" "20060176277" "20120327580" "20130027364" "20140310643" "20040069117" "20130050090" "20160091929" "20150277509" "20150370339" "20160259375" "20040264126" "20040061997" "20120092253" "20170358275" "20100039764" "20030201915").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:50	
S1280	8850	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:55	
S1281	1133	S1280 and (display\$1 near (first or second or dual or double))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:55	
S1282	25	S1281 and ((hook or clasp or catch) with (magnetically or magnet\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:56	
S1283	139	S1280 and ((hook or clasp or catch) with (magnetically or magnet\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:56	
S1284	114	S1283 not S1282	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 11:56	
S1285	0	g06f1/16162.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:07	
S1286	10883	g06f1/1616.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:07	

S1287	1068	S1280 and S1286	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:07
S1288	472	S1287 and ((magnetically or magnet\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:07
S1289	1634	S1280 and ((hook or clasp or catch))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:08
S1290	82	S1288 and ((hook or clasp or catch))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:08
S1291	230	S1287 and ((hook or clasp or catch))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:08
S1292	139	S1282 S1283	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:08
S1293	59	S1290 not S1292	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:08
S1294	198	S1290 S1292	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:08
S1295	148	S1291 not S1294	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:15
S1296	346	S1291 S1294	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:15
S1297	390	S1288 not S1296	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:15
S1298	962	g06f1/1669.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:23
S1299	33	S1298 and ((hook or clasp or catch) with (magnetically or magnet\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:23
S1300	569	S1298 and ((magnetically or magnet\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:23
S1301	209	S1298 and ((hook or clasp or catch))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:23
S1302	101	S1300 and S1301	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:24
S1303	68	S1302 not S1299	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:25
S1304	677	S1300 S1301	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:25
S1305	101	S1299 S1302	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:25
S1306	576	S1304 not S1305	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:25
S1307	2	"20130257733"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 12:30

S1308	14	("20060125796" "20060203437" "20070236464" "20100309143" "20110037701" "20110053651" "20110157804" "20110222238" "6922333" "7633745" "7768508" "7889483").PN. OR ("9740237").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:30
S1309	1	"20170282060"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:34
S1310	11	("20040095326" "20040145565" "20110216064" "20140211395" "20150092332" "20150358043" "20170038854" "20180188774" "5739810" "6700773" "7330923").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:35
S1311	7	("20110006992" "20100302168" "20130335327" "20120039023" "20060205438" "20140055363" "20120039023" "20140333542" "20130335327" "20140333542").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:39
S1312	2	("6542606" "20040023696").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:50
S1313	12	("6297752" "20030048595" "6594142" "6671170" "20020163778" "D454347" "20030078069" "5712760" "5982613" "5995025" "6628508" "20030103041").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 12:52
S1314	21	("20040001049" "20090244016" "20100238620" "20100321275" "20150103014" "5739810" "5847698" "6510048" "6700773" "6922333" "7061472" "7551428" "7663602" "7990702" "7991442" "8310823" "8331098" "8988876" "9684342" "9740237" "9874908").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:00
S1315	3	("20160132075" "20160187935" "6223393").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:15
S1316	36	S1298 and (keyboard\$1 near2 stow\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:21
S1317	4	("20050078444" "20040246667" "5283862" "5298681").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:32
S1318	100	("4926010" "4937563" "5049862" "5107402").PN. OR ("5241303").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:36
S1319	11	("20060183505" "20090244016" "20170069299" "20170255320" "20170344120" "20180088632" "20180121012" "20180129391" "20180188774" "20180232010" "8803816").PN. OR ("10254803").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:37
S1320	1	("5241303").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:48
S1321	16	("20020186206" "20040056843" "20040095326" "5241303" "5551497" "6700774" "7126588" "7505252" "7663602").PN. OR ("8009143").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:49
S1322	37	S1280 and (keyboard\$1 near2 stow\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:50
S1323	12	("20040056843" "20060152484" "20070178966" "20110230178" "20110260969" "20120062177" "20120229309" "20130068916" "7095387" "8009143").PN. OR ("9205340").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 13:57
S1324	44	("20020042853" "20040056843" "20040160738" "20040190239" "20050052831" "20050200608" "20060038795" "20060104013" "20080094792" "20100277858" "20120293953" "20130033807" "20130100027" "20130203473" "20130257733" "20130329375" "20140185218" "20140218855" "5440502" "5659307" "5754395" "5907615" "6028768" "6157958" "6282082" "6898073" "6989984" "7130669" "7342776" "7489503" "7567433" "8009143" "8023254" "8416559" "8451595" "8654520" "8724301" "8780544" "8971026" "8995125" "9047056" "D640686").PN. OR ("9164551").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30 14:02

S1325	54	("20020024499" "20030006942" "20070227923" "20080158795" "6341061" "6643124" "7299523").PN. OR ("7489503").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 14:06
S1326	31	("20020024499" "20030026068" "20030142469" "20040108968" "20040136149" "20040233620" "20060104013" "20060126284" "20120162891" "5808862" "6229502" "6262785" "6341061" "6700773" "6747635" "6771493" "6862171" "7342776" "7352565" "7385811" "7453437" "7489503" "7705799" "7783986" "8208249" "8305293" "D511162").PN. OR ("8724301").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 14:10
S1327	1	"20170017273"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 14:29
S1328	1	"20030063432"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 14:54
S1329	4	((("20170177030") or ("7503808") or ("20150186685") or ("20160231789")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:15
S1330	0	S1329 and (wireless\$3 near3 charg\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:20
S1331	962	g06f1/1669.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:20
S1332	8850	g06f1/1632.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:20
S1333	626	S1332 and (wireless\$3 near3 charg\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:20
S1334	427	S1332 and (wireless\$3 near charg\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:20
S1335	4	"20140021909"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:35
S1336	5	("20050052156" "20090177908" "20100145236" "20130031377" "20140036437").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:37
S1337	5	("20140132206" "20120177967" "20110260674" "9118195" "8207906").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/09/30; 16:37
S1338	3318	361/679.33-679.39.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01; 10:49
S1339	3862	361/724-727.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01; 10:49
S1340	8189	G06F1/1656,1658.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01; 10:50
S1341	6467	G06F1/18,183,187.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01; 10:50
S1342	1	((("VANECEK") near3 ("Russell"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/10/01; 10:55
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 or ("20160137391") or ("20170288507") or ("6514344") or
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S1344	7577	361/679.01-679.03.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 10:56
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S1346	534	((("20180284838") or ("9538675") or ("8960634") or ("8382059") or ("9267638") or ("20150163936") or ("20120199501") or ("20110031287") or ("20130134291") or ("8863314") or ("20120060255") or ("8378924") or ("20140085814") or ("20080291277") or ("9405172") or ("20150362824") or ("20180249133") or ("9622557") or ("9690327") or ("9427071") or ("20140049060") or ("20150318885") or ("20150370150") or ("9454066") or ("20170152990") or ("9397719") or ("9800283") or ("20190289989") or ("20160373152") or ("20140078462") or ("20180000212") or ("10136715") or ("9606375") or ("20160377891") or ("7810750") or ("20020043544") or ("20160370690") or ("20080143954") or ("8391021") or ("20110051982") or ("20110261546") or ("20160174674") or ("9402121") or ("8540363") or ("7143912") or ("20170227793") or	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 10:57

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S1347	4	((("OKKOSO") near3 ("Tomoya"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/10/01 10:58
S1353	2	("20140239781" "20160227654").PN.	US-PGPUB; USPAT	OR	OFF	2019/10/01 11:37
S1354	61	((("LIN") near3 ("Yugui"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/10/01 11:37
S1355	9	((("20190294286") or ("20180196559") or ("20190227593") or ("20180197463") or ("20180196537") or ("10289155") or ("10248233") or ("20180199446") or ("20180196560")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:42
S1356	9	("20060060732" "20110005662" "20110006999" "20120135247" "20130222298" "20130329460" "20140265821" "20150331451" "20160234362").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:45
S1357	9	("20060060732" "20110005662" "20110006999" "20120135247" "20130222298" "20130329460" "20140265821" "20150331451" "20160234362").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:45
S1358	9	S1356 S1357	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:45
S1359	2	S1358 AND DECORATION	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:45
S1360	2	S1358 AND DECORATION\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:45
S1361	2	S1358 AND DECORATION\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:45
S1362	2	S1358 AND DECORAT\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:45
S1363	2	"20150331451"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:47
S1364	2	"20160234362"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:47
S1365	7	("20080223708" "20130063891" "20130178248" "20140104762" "D687800").PN. OR ("9513668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:50
S1366	25	("20100315769" "20110241949" "20110287812" "20120178503" "20120229347" "20120314350" "20130300697" "20140080552" "20140111927" "20140198436" "20140228080" "20140233170" "20140234581" "20140267097" "20140307370" "20140323063" "20140368228" "20150070825" "5176733" "8737045" "9047044").PN. OR ("9578149").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:51
S1367	32	S1365 S1366	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:52

S1368	1	S1367 AND DECORAT\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:52
S1369	0	S1367 AND indicia\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:53
S1370	0	S1358 AND indicia\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:53
S1371	8	("20060132695" "20070052906" "20110165916" "20130017865" "20140125528" "20160134010" "9513668").PN. OR ("9794382").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:53
S1372	0	S1371 AND indicia\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:53
S1373	2	S1371 AND DECORAT\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:53
S1374	2	"20140125528"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:54
S1375	22	("20040246188" "20080316116" "20090153411" "20120009884" "20120009983" "20120229347" "20120268343" "20130257659" "20140015724" "6400571" "6686887" "7053848" "7903036" "8681056" "9166279").PN. OR ("9716307").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:55
S1376	2	S1375 AND DECORAT\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:55
S1377	0	S1375 AND indicia\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:55
S1378	14408	361/679.01,679.02,679.21-679.3,679.55,679.56.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:57
S1379	10563	455/575.1-575.9.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:57
S1380	419	S1379 AND DECORAT\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:57
S1381	305	S1379 AND indicia\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:57
S1382	50	S1379 AND (indicia\$1 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:57
S1383	23	S1379 AND (DECORAT\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:57
S1384	14521	g06f3/0415,041.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:58
S1385	6033	h04m1/0266,0268,027,026,0295.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:59
S1386	6710	g02f1/13338.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:59
S1387	31248	g06f1/1626,1601,1613,1615,1616,1618,162,1622,1624,1605.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:59
S1388	72	S1382 S1383	US-PGPUB; USPAT;	OR	OFF	2019/10/01 11:59

			USOCR			
S1389	118	S1384 AND (DECORAT\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:59
S1390	71	S1385 AND (DECORAT\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:59
S1391	44	S1386 AND (DECORAT\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:59
S1392	148	S1387 AND (DECORAT\$4 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 11:59
S1393	124	S1384 AND (indicia\$1 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:00
S1394	45	S1385 AND (indicia\$1 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:00
S1395	14	S1386 AND (indicia\$1 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:00
S1396	298	S1387 AND (indicia\$1 near3 display\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:00
S1397	726	S1388 S1389 S1390 S1391 S1392 S1393 S1394 S1395 S1396	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:02
S1398	206	((("RIVNAY") near3 ("Roey")) OR (("FRINK") near3 ("Darin")) OR (("BEALL") near3 ("Christopher")) OR (("GUTIERREZ") near3 ("Felipe"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/10/01 12:04
S1399	75	((("20180084665") or ("20170290191") or ("9832905") or ("20170257972") or ("20160014936") or ("20150036284") or ("20150036287") or ("10222842") or ("9141156") or ("10130018") or ("9928203") or ("20060259796") or ("20070101173") or ("20060248324") or ("7721125") or ("20020062454") or ("7822967") or ("20160128221") or ("20090144568") or ("7134011") or ("20070245165") or ("20060248361") or ("20070240006") or ("20030196126") or ("7032119") or ("20060259797") or ("7562239") or ("20060248325") or ("8700923") or ("7272735") or ("20060253717") or ("7058826") or ("20060248359") or ("20100008038") or ("7552350") or ("20060248360") or ("20090235104") or ("20170018149") or ("20180367870") or ("7533283") or ("8074092") or ("7558976") or ("7237129") or ("7512822") or ("20020004913") or ("9713215") or ("9591784") or ("9804937") or ("20020007464") or ("20140108692") or ("20160070627") or ("20050108582") or ("20060248358") or ("20020004912") or ("7484111") or ("9483089") or ("20030200473") or ("6859882") or ("RE40866") or ("20060265609") or ("20060265608") or ("20020004915") or ("20030188208") or ("20170052919") or ("20160044819") or ("20030206398") or ("20160073542") or ("6906914") or ("20190121402") or ("20190171606") or ("20150058659") or ("9474181") or ("20130271904") or ("9750153") or ("6628513")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:05
S1400	7889	361/679.33-679.39,679.41-679.44,724-727.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:22
S1401	3578	H05K7/1485,1488,1489,1492.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:22
S1402	11137	S1400 S1401	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:23

S1403	405	S1400 AND (SERVER\$1 NEAR2 RACK\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:23
S1404	1482	S1401 AND (SERVER\$1 NEAR2 RACK\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:23
S1405	5	S1403 AND (PLURALIT\$3 NEAR3 NODE\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:23
S1406	47	S1404 AND (PLURALIT\$3 NEAR3 NODE\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:23
S1407	52	S1405 S1406	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 12:24
S1408	2204	((("GAULT") near3 ("Joseph")) OR (("BOWERS") near3 ("Scott")) OR (("CAMPBELL") near3 ("John")) OR (("HILLYERD") near3 ("Anthony")) OR (("ALDEHAYYAT") near3 ("Yazan")) OR (("AAGAARD") near3 ("Karsten")) OR (("WITT") near3 ("Eric"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2019/10/01 13:04
S1409	15	((("20180059733") or ("20170097663") or ("20170315592") or ("9740245") or ("10331175") or ("20170308127") or ("20190235573") or ("20190113950") or ("10303214") or ("20180046226") or ("9910463") or ("20180052495") or ("10088874") or ("9785196") or ("10025352")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:04
S1410	7725	361/679.21-679.29,679.55,679.41.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:04
S1411	13202	g06f1/1679,1615,1635,1637,1662,1624,1633,1654,1669.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:05
S1412	15	S1410 and (lock\$3 near3 wedg\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:07
S1413	45	S1411 and (lock\$3 near3 wedg\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:07
S1414	59	S1412 S1413	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:07
S1415	2	S1414 and (remov\$4 near3 (display\$3 or keyboard\$1 or keypad\$1 or (key near pad\$1) or (key near board\$1)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:08
S1416	13192	"71" and (remov\$4 near3 (display\$3 or keyboard\$1 or keypad\$1 or (key near pad\$1) or (key near board\$1)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:08
S1417	6	("20160141973" "6683801" "6700804" "7248483" "7768154" "9444361").PN.	US-PGPUB; USPAT	OR	OFF	2019/10/01 13:34
S1418	499	361/602,611.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:50
S1419	2258	361/637,648,707.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:50
S1420	5351	H02M7/003,487.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:51
S1421	5072	H05K1/0231,144.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:51
S1422	1044	H05K7/209.CPC.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:51
S1423	71	S1418 AND (dc OR (DIRECT NEAR CURRENT))	US-PGPUB;	OR	OFF	2019/10/01

			USPAT; USOCR			13:51
S1424	316	S1419 AND (dc OR (DIRECT NEAR CURRENT))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:51
S1425	4568	S1420 AND (dc OR (DIRECT NEAR CURRENT))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:51
S1426	0	S1359 AND (dc OR (DIRECT NEAR CURRENT))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1427	1312	S1421 AND (dc OR (DIRECT NEAR CURRENT))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1428	596	S1422 AND (dc OR (DIRECT NEAR CURRENT))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1429	11	S1423 and ((circuit near board\$1) or PCB\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1430	166	S1424 and ((circuit near board\$1) or PCB\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1431	1514	S1425 and ((circuit near board\$1) or PCB\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1432	1041	S1427 and ((circuit near board\$1) or PCB\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1433	368	S1428 and ((circuit near board\$1) or PCB\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:52
S1434	1	S1429 and ((heat near (sink or dissipater or dissipator)) or (cold near plate))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:53
S1435	89	S1430 and ((heat near (sink or dissipater or dissipator)) or (cold near plate))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:53
S1436	439	S1431 and ((heat near (sink or dissipater or dissipator)) or (cold near plate))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:53
S1437	189	S1432 and ((heat near (sink or dissipater or dissipator)) or (cold near plate))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:54
S1438	211	S1433 and ((heat near (sink or dissipater or dissipator)) or (cold near plate))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:54
S1439	1	S1434 and (busbar\$1 or (bus near bar\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:55
S1440	14	S1435 and (busbar\$1 or (bus near bar\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:55
S1441	143	S1436 and (busbar\$1 or (bus near bar\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:55
S1442	16	S1437 and (busbar\$1 or (bus near bar\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:55
S1443	56	S1438 and (busbar\$1 or (bus near bar\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 13:55
S1444	85	S1439 S1440 S1442 S1443	US-PGPUB; USPAT	OR	OFF	2019/10/01 13:55

S1445	88	S1441 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 13:57
S1446	1	S1439 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 13:57
S1447	88	S1441 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 13:57
S1448	81	S1447 and capacitor\$1	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:01
S1449	42	S1448 and laminat\$3	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:01
S1450	42	S1448 and laminat\$4	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:01
S1451	2	S1417 and laminat\$4	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:01
S1452	1	S1434 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:23
S1453	62	S1435 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:23
S1454	243	S1436 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:23
S1455	95	S1437 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:23
S1456	141	S1438 and (air or blower or (air near gap))	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:23
S1457	1	S1452 and (three near phase)	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:23
S1458	13	S1453 and (three near phase)	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:24
S1459	131	S1454 and (three near phase)	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:24
S1460	16	S1455 and (three near phase)	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:24
S1461	40	S1456 and (three near phase)	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:24
S1462	66	S1457 S1458 S1460 S1461	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:24
S1463	114	S1459 and terminal\$1	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:25
S1464	40	S1462 and terminal\$1	US-PGPUB; USPAT	OR	OFF	2019/10/01 14:25
S1465	84	S1463 and (busbar\$1 or (bus near bar\$1) or bus\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 14:25
S1466	23	S1464 and (busbar\$1 or (bus near bar\$1) or bus\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 14:25
S1467	6	S1466 and (multilayer or (multi near layer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 14:38
S1468	6	S1467 and (multilayer or (multi near layer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 14:38
S1469	6	S1467 S1468	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 14:39
S1470	12	S1465 and (multilayer or (multi near layer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 14:39
S1471	16	S1469 S1470	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 14:39

S1480	2	"20180048255"	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:28
S1481	7	("5038088" "5532512" "6646331" "8502484" "8503195" "8866169" "9246389").PN. OR ("10361650").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:29
S1482	2083	361/734,746,750,751,763,766,781.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:44
S1483	770	S1482 and (multilayer or (multi near layer))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:44
S1484	203	S1483 and switch\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:44
S1485	168	S1484 and capacitor\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:44
S1486	2	S1485 and ((three near (phase or level)) with power)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:45
S1487	4	S1485 and ((three near (phase or level)))	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 21:45
S1488	30	S1485 and parasitic	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:02
S1489	0	S1485 and (parasitic near inductance)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:02
S1490	15	S1485 and (parasitic near inductance)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:03
S1491	22	S1485 and (ac)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:12
S1492	0	S1491 and (voltage near stress)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:13
S1493	0	S1485 and (voltage near stress)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:13
S1494	0	S1484 and (voltage near stress)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:13
S1495	1	S1483 and (voltage near stress)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:13
S1496	6	S1482 and (voltage near stress)	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/01 22:13
S1497	3	"49324884".FMID.	US-PGPUB; USPAT; FPRS; JPO	OR	OFF	2019/10/01 22:15
S1498	1	("20170138576").PN.	US-PGPUB; USPAT	OR	OFF	2019/10/15 01:07
S1499	13	("7589277" "20080078133" "9370117" "20090314907" "8365936" "5274731" "7075005" "8355246" "7660409" "20150049452" "7119282" "7362941" "4783718").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15 01:08
S1500	27	("4160880" "4658422" "5363440" "5550916" "5721394" "5803292" "6025557" "6157715" "6170784" "6252941" "6311229" "6788786" "7140782" "7330546").PN. OR ("7589277").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15 01:17
S1501	8	S1500 and stud\$1	US-PGPUB;	OR	OFF	2019/10/15;

EAST Search History

			USPAT; USOCR			01:18
S1502	31	("20060157264" "20140008095" "2730261" "3566194" "4021632" "4606156" "4650272" "4842156" "4945450" "5072071" "5134543" "5341273" "5463533" "5491901" "5579939" "5744753" "5861794" "5934115" "6274833" "6715625" "6756541" "6808079" "6979780" "7423215" "7554032" "7589277" "7935886" "8536452" "8710368").PN. OR ("8830657").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 01:26
S1503	19	S1502 and stud\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2019/10/15: 01:27

10/ 15/ 2019 12:12:51 PM

C:\Users\ahaughton\Documents\EAST\Workspaces\16_\east search 9_28.wsp

Bibliographic Data

Application No: 16/460,770

Foreign Priority claimed: Yes No

35 USC 119 (a-d) conditions met: Yes No Met After Allowance

Verified and Acknowledged:

/ANTHONY M HAUGHTON/

Examiner's Signature

Initials

Title:

SYSTEM COMPRISING A PORTABLE SWITCHING DEVICE FOR USE WITH A PORTABLE ELECTRONIC DEVICE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
07/02/2019	361	2835	MAYG-1001-WO-USC7
RULE			

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CONTINUING DATA

This application is a CON of 16388691 04/18/2019ABN

16388691 is a CON of 16041594 07/20/2018 PAT 10272474

16041594 is a CON of 15852000 12/22/2017 PAT 10259021

15852000 is a CON of 15597005 05/16/2017ABN

15597005 is a CON of 14343665 07/14/2014ABN

14343665 is a 371 of PCT/US2012/049562 08/03/2012

PCT/US2012/049562 has PRO of 61661090 06/18/2012

PCT/US2012/049562 has PRO of 61619229 04/02/2012

PCT/US2012/049562 has PRO of 61592344 01/30/2012

PCT/US2012/049562 has PRO of 61576834 12/16/2011

PCT/US2012/049562 has PRO of 61569093 12/09/2011

PCT/US2012/049562 has PRO of 61568031 12/07/2011

PCT/US2012/049562 has PRO of 61561087 11/17/2011

PCT/US2012/049562 has PRO of 61555310 11/03/2011

PCT/US2012/049562 has PRO of 61515752 08/05/2011

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

07/16/2019

STATE OR COUNTRY

UNITED STATES

ADDRESS

Mossman, Kumar & Tyler PC

P.O. Box 421239

Houston, TX 77242

UNITED STATES

FILING FEE RECEIVED

\$1,880



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/460,770	07/02/2019	Walter G. Mayfield	MAYG-1001-WO-USC7	9783
87627	7590	01/10/2020	EXAMINER	
Mossman, Kumar & Tyler PC P.O. Box 421239 Houston, TX 77242			HAUGHTON, ANTHONY MICHAEL	
			ART UNIT	PAPER NUMBER
			2835	
			NOTIFICATION DATE	DELIVERY MODE
			01/10/2020	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docket@mktlaw.com
tthigpen@mktlaw.com

**Corrected
Notice of Allowability**

Application No.
16/460,770

Applicant(s)
Mayfield et al.

Examiner
ANTHONY M HAUGHTON

Art Unit
2835

AIA (FITF) Status
Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the claim amendments submitted on 10/22/2019.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1-13. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____. | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material _____. | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/ANTHONY M HAUGHTON/
Primary Examiner, Art Unit 2835

DETAILED ACTION

Allowable Subject Matter

Claims 1-13 are allowed.

The following is an examiner's statement of reasons for allowance: **Claims 1-13** are considered to be allowable because the prior art of record neither anticipates nor renders obvious the limitations of the base claim 1. **Claim 1** includes a system comprising: a portable switching device coupled to a portable electronic device; wherein: the switching device and the electronic device are configured to selectively couple to each other employing magnetic force from a first magnet disposed within the switching device; the switching device comprises a first case; the electronic device comprises a second case and an electronic circuit that is responsive to the switching device; the portable switching device is configured to activate, deactivate, or send into hibernation the portable electronic device; the switching device plays, pauses and/or changes the volume of a remote device; the lid is recessed to configure to the switching device; and when coupled, the second case functions to protect the first case in combination with all other elements of the base claim. **Claims 2-13** are all dependent upon claim 1 and are considered to be allowable at least for the same reasons as claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANTHONY MICHAEL HAUGHTON whose telephone number is (571)272-9087. The examiner can normally be reached on M-F 8a-4p.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jinhee Lee can be reached on 571-272-1977. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


/ANTHONY M HAUGHTON/
Primary Examiner, Art Unit 2835

Issue Classification 	Application/Control No. 16/460,770	Applicant(s)/Patent Under Reexamination Mayfield et al.
	Examiner ANTHONY M HAUGHTON	Art Unit 2835

CPC						
Symbol					Type	Version
B08B	/	1	/	006	F	2013-01-01
A45C	/	11	/	00	I	2013-01-01
G06F	/	1	/	32	I	2013-01-01
B08B	/	1	/	002	I	2013-01-01
B08B	/	11	/	04	I	2013-01-01
H04M	/	1	/	21	I	2013-01-01
H04B	/	1	/	3816	A	2013-01-01
H04M	/	1	/	0266	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/	/			

NONE	Total Claims Allowed:	
(Assistant Examiner)	(Date)	13
/ANTHONY M HAUGHTON/ Primary Examiner, Art Unit 2835	07 January 2020	O.G. Print Claim(s)
(Primary Examiner)	(Date)	1
		O.G. Print Figure
		4

Issue Classification 	Application/Control No. 16/460,770	Applicant(s)/Patent Under Reexamination Mayfield et al.
	Examiner ANTHONY M HAUGHTON	Art Unit 2835


INTERNATIONAL CLASSIFICATION			
CLAIMED			
G06F	/ /	1	/ / 16
H05K	/ /	5	/ / 00
H05K	/ /	7	/ / 00
	/ /		/ /

NON-CLAIMED			
	/ /		/ /

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
361	679.01

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					


NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	13	
/ANTHONY M HAUGHTON/ Primary Examiner, Art Unit 2835	07 January 2020	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	4

Issue Classification 	Application/Control No. 16/460,770	Applicant(s)/Patent Under Reexamination Mayfield et al.
	Examiner ANTHONY M HAUGHTON	Art Unit 2835

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10												
2	2	11	11												
3	3	12	12												
4	4	13	13												
5	5														
6	6														
7	7														
8	8														
9	9														

NONE	Total Claims Allowed:	
(Assistant Examiner)	(Date)	13
/ANTHONY M HAUGHTON/ Primary Examiner, Art Unit 2835	07 January 2020	O.G. Print Claim(s)
(Primary Examiner)	(Date)	1
		O.G. Print Figure
		4

Search Notes 	Application/Control No. 16/460,770	Applicant(s)/Patent Under Reexamination Mayfield et al.
	Examiner ANTHONY M HAUGHTON	Art Unit 2835

CPC - Searched*		
Symbol	Date	Examiner
g06f1/32,16,1601,1603,1605,1607,1609,1611	10/15/2019	AMH
B08B1/006,002	10/15/2019	AMH


CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
361	679.01, 679.02	10/15/2019	AMH

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
EAST SEARCH (SEE SEARCH NOTES)	10/15/2019	AMH
INVENTOR SEARCH	10/15/2019	AMH
CLASSIFICATION SEARCH IN COMBINATION WITH TEXT SEARCH	10/15/2019	AMH
IP.COM SEARCH	10/15/2019	AMH

/ANTHONY M HAUGHTON/ Primary Examiner, Art Unit 2835	
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<i>Search Notes</i> 	Application/Control No. 16/460,770	Applicant(s)/Patent Under Reexamination Mayfield et al.
	Examiner ANTHONY M HAUGHTON	Art Unit 2835

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	PG-PUB CLAIM TEXT SEARCH	10/15/2019	AMH
361	679.01, 679.02	10/15/2019	AMH
G06F1	32, 16, 1601, 1607	10/15/2019	AMH
B08B1	006, 002	10/15/2019	AMH

/ANTHONY M HAUGHTON/ Primary Examiner, Art Unit 2835	
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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

87627 7590 10/29/2019
 Mossman, Kumar & Tyler PC
 P.O. Box 421239
 Houston, TX 77242

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

Margaret A. Pruitt-Johns	(Typed or printed name)
/Margaret A. Pruitt-Johns/	(Signature)
January 13, 2020	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/460,770	07/02/2019	Walter G. Mayfield	MAYG-1001-WO-USC7	9783

TITLE OF INVENTION: SYSTEM COMPRISING A PORTABLE SWITCHING DEVICE FOR USE WITH A PORTABLE ELECTRONIC DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1000	\$0.00	\$0.00	\$1000	01/29/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
HAUGHTON, ANTHONY MICHAEL	2835	361-679000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). <input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. <input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. Use of a Customer Number is required.	2. For printing on the patent front page, list (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, Mossman, Kumar & Tyler, PC (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 3. _____
--	---

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: **GUI GLOBAL PRODUCTS, LTD.** (B) RESIDENCE: (CITY and STATE OR COUNTRY) **Houston, Texas**

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. Fees submitted: Issue Fee Publication Fee (if required) Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)
 Electronic Payment via EFS-Web Enclosed check Non-electronic payment by credit card (Attach form PTO-2038)
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. **50-4920**

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Gene L. Tyler/ Date January 13, 2020
 Typed or printed name Gene L. Tyler Registration No. 35,395

Electronic Patent Application Fee Transmittal

Application Number:	16460770			
Filing Date:	02-Jul-2019			
Title of Invention:	SYSTEM COMPRISING A PORTABLE SWITCHING DEVICE FOR USE WITH A PORTABLE ELECTRONIC DEVICE			
First Named Inventor/Applicant Name:	Walter G. Mayfield			
Filer:	Gene Tyler/Margaret Pruitt-Johns			
Attorney Docket Number:	MAYG-1001-WO-USC7			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1000	1000

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1000

Electronic Acknowledgement Receipt

EFS ID:	38279681
Application Number:	16460770
International Application Number:	
Confirmation Number:	9783
Title of Invention:	SYSTEM COMPRISING A PORTABLE SWITCHING DEVICE FOR USE WITH A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Walter G. Mayfield
Customer Number:	87627
Filer:	Gene Tyler/Margaret Pruitt-Johns
Filer Authorized By:	Gene Tyler
Attorney Docket Number:	MAYG-1001-WO-USC7
Receipt Date:	13-JAN-2020
Filing Date:	02-JUL-2019
Time Stamp:	15:42:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1000
RAM confirmation Number	E20201CG00572349
Deposit Account	504920
Authorized User	Margaret Pruitt-Johns
<p>The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:</p> <p style="margin-left: 40px;">37 CFR 1.16 (National application filing, search, and examination fees)</p> <p style="margin-left: 40px;">37 CFR 1.17 (Patent application and reexamination processing fees)</p>	

37 CFR 1.19 (Document supply fees)
 37 CFR 1.20 (Post Issuance fees)
 37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	MAYG_1001USC7_IssueFee_pt o.pdf	184105 2ac24feab052eb3d7209190f08db413b440 16977	no	1

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30305 a750154325a06a366039d8fd606a0dc1296 370b9	no	2
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Warnings:

Information:

Total Files Size (in bytes):			214410		
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/460,770	02/18/2020	10562077	MAYG-1001-WO-USC7	9783

87627 7590 01/29/2020
Mossman, Kumar & Tyler PC
P.O. Box 421239
Houston, TX 77242

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Walter G. Mayfield, Houston, TX;
GUI GLOBAL PRODUCTS, LTD., Houston, TX;
Daniel Martin Valdez, Kingwood, TX;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

IR103 (Rev. 10/09)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	§	US Patent No. 10,562,077
Mayfield <i>et al.</i>	§	Issued: February 18, 2020
	§	
Application No. 16/460,770	§	Examiner: Anthony M. Haughton
	§	
Filed: July 2, 2019	§	Confirmation No.: 9783
	§	
For: SYSTEM COMPRISING A	§	Attorney Docket No.: MAYG-1001-USC7
PORTABLE SWITCHING DEVICE FOR	§	
USE WITH A PORTABLE ELECTRONIC	§	
DEVICE	§	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313.1450

Attn: Certificate of Correction Branch

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
(37 CFR 1.323)**

Applicants request that a Certificate of Correction be issued for the errors in the above-identified patent set forth on the attached form PTO/SB/44. The errors appear in the Claims and are clerical errors of a minor character on the part of the Applicants. It is certified that the errors occurred in good faith. The corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

The correction is being made to the following lines:

In the claims, at claim 1, column 22, line 5, delete “complimentary” and substitute therefor
--complementary--

The required fee of \$150.00 for filing a Certificate of Correction is being submitted herewith. The Commissioner is hereby authorized to charge any additional fees associated with any of the papers submitted herewith or to credit any overpayment to Deposit Account No. 50-4920 (MAYG-1001-USC7).

Respectfully submitted,

Dated: June 22, 2020

/Gene L. Tyler/
Gene L. Tyler
Registration No. 35,395
Mossman Kumar & Tyler, PC
P.O. Box 421239
Houston, TX 77242
Telephone: (281) 404-4851
Facsimile: (281) 404-4468

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 10,562,077

APPLICATION NO.: 16/460,770

ISSUE DATE : February 18, 2020

INVENTOR(S) : Walter G. Mayfield; Daniel Martin Valdez

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the claims, at claim 1, column 22, line 5, delete "complimentary" and substitute therefor
--complementary--

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):

Mossman, Kumar, and Tyler, PC
P.O. Box 421239
Houston, Texas 77242

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	16460770			
Filing Date:	02-Jul-2019			
Title of Invention:	SYSTEM COMPRISING A PORTABLE SWITCHING DEVICE FOR USE WITH A PORTABLE ELECTRONIC DEVICE			
First Named Inventor/Applicant Name:	Walter G. Mayfield			
Filer:	Gene Tyler			
Attorney Docket Number:	MAYG-1001-WO-USC7			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
CERTIFICATE OF CORRECTION	1811	1	150	150

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				150

Electronic Acknowledgement Receipt

EFS ID:	39791540
Application Number:	16460770
International Application Number:	
Confirmation Number:	9783
Title of Invention:	SYSTEM COMPRISING A PORTABLE SWITCHING DEVICE FOR USE WITH A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Walter G. Mayfield
Customer Number:	87627
Filer:	Gene Tyler
Filer Authorized By:	
Attorney Docket Number:	MAYG-1001-WO-USC7
Receipt Date:	22-JUN-2020
Filing Date:	02-JUL-2019
Time Stamp:	17:01:02
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 150
RAM confirmation Number	E20206LH02550649
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	US10562077_request_for_COC.pdf	69528 4a153b30e85aefb3ebffd25c0848e708ee98c96f	no	2

Warnings:

Information:

2	Request for Certificate of Correction	10562077_COC.pdf	173827 6c10a5c171d36e58c04329ef2802fae4fad95c66	no	2
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Warnings:

Information:

3	Fee Worksheet (SB06)	fee-info.pdf	30272 f7157631b53e63e48449d1575126a7a82e7d6090	no	2
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Warnings:

Information:

Total Files Size (in bytes):			273627		
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New Applications Under 35 U.S.C. 111
 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
 If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 10,562,077 B2
APPLICATION NO. : 16/460770
DATED : February 18, 2020
INVENTOR(S) : Walter G. Mayfield and Daniel Martin Valdez

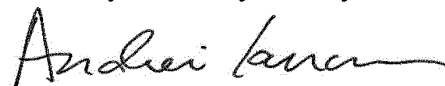
Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

At Claim 1, Column 22, Line 5, delete "complimentary" and substitute therefor --complementary--

Signed and Sealed this
Twenty-first Day of July, 2020



Andrei Iancu
Director of the United States Patent and Trademark Office