

S430	1	S429 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S431	28,075	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S432	541,465	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S433	12	S432 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5) and (indentifier ID identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S434	400,071	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S435	8	S434 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S436	16,903	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S437	13	S436 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND ((@ad OR @pd OR @rlad OR @ prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S438	7	S436 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND (@AD <"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S439	13	S436 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND ((@ad OR @pd OR	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2018/06/27 22:35

		@rlad OR @ prad OR @ptad)<"20090728")	DERWENT; IBM_TDB			
S440	6,917	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2018/06/27 22:36
S441	4,410	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S442	4,889	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S443	44	(S440 S441 S442) AND (plac\$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S444	0	((("BjÄrnsell") near3 ("Johan") near3 ("Emil") near3 ("Viktor"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:36
S445	15	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S446	8	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S447	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S448	8	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	OFF	2018/06/27 22:37
S449	14	((("VOIP-PAL.COM")).AS,AANM.	US-PGPUB; USPAT	OR	OFF	2018/06/27 22:38
S450	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:38
S451	0	(S444 S445 S446 S447 S448 S449 S450) AND (IP NEAR2 address\$4 AND access ADJ2 code\$3 AND (ID identification key location geographical) AND gateway).clm.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:41

S452	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2018/06/27 23:10
S453	13	S452 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11
S454	6	S452 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11
S455	2	S452 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:12
S456	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:12
S457	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-	US-PGPUB; USPAT; DERWENT	OR	ON	2018/08/07 22:33

		\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S458	7	S457 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:37
S459	6	S457 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:38
S460	6	S457 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:40
S461	4	(US-20080056235-\$ or US-20080160953-\$ or US-20090017842-\$ or US-20060109960-\$).did.	US-PGPUB	OR	ON	2018/08/07 22:42
S462	0	S461 and ((desination\$4 WITH connect\$4 with channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:43
S463	0	S461 and ((desination\$4 SAME connect\$4 SAME channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2018/08/07 22:44

			DERWENT; IBM_TDB			
S464	0	S461 and ((desination\$4 AND connect\$4 SAME channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
S465	1	S461 and ((destination\$4 AND connect\$4 SAME channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
S466	23,710	((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 22:55
S467	33	((request\$4 packet\$4 frame\$4 data adj3 unit demand\$4 query\$4 seek\$4) WITH (location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) WITH (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4) WITH reply\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 22:57
S468	31	((request\$4 packet\$4 frame\$4 data adj3 unit demand\$4 query\$4 seek\$4) WITH (location\$4 gps station\$4 office\$4 site\$4 position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) WITH (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4) WITH reply\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 23:09

S469	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/08/08 11:58
S470	6	S469 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 11:58
S471	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/08/09 10:45
S472	6	S471 and ((location\$4 gps station\$4 office\$4 site\$4 place places position	US-PGPUB; USPAT;	OR	ON	2018/08/09 10:45

		latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S473	1	(US-20030114145-\$).did.	US-PGPUB	OR	ON	2018/08/09 10:47
S478	1	S473 and (gps location\$4 geograph\$4) and server\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 10:49
S479	0	S473 and (gps location\$4 geograph\$4) and server\$4 and reply\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 10:49
S480	1	S473 and (gps location\$4 geograph\$4) and server\$4 and (reply\$4 request\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 10:49
S481	2	(US-20080056235-\$ or US-20030114145-\$).did.	US-PGPUB	OR	ON	2018/08/13 15:27
S482	1	S481 and (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4) SAME (location\$4 gps geograph\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:32
S483	1	S481 and (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4) AND (location\$4 gps geograph\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:32
S484	1	S481 and (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4) AND (location\$4 gps geograph\$6)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:33

S486	1	S481 AND (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:35
S487	2	S481 AND (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4 messag\$4 packet\$4 data adj2 unit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:35
S488	2	(US-20080056235-\$ or US-20030114145-\$).did.	US-PGPUB	OR	ON	2018/12/18 12:05
S492	1	14/035806.app.	US-PGPUB	OR	ON	2018/12/18 12:22
S493	1	S488 and (wireless\$4 and VOIP)	US-PGPUB	OR	ON	2018/12/18 12:23
S494	2	S488 and (wireless\$4 and location\$4)	US-PGPUB	OR	ON	2018/12/18 12:23
S495	2	S488 and (wireless\$4 and (location\$4 gps))	US-PGPUB	OR	ON	2018/12/18 12:23
S496	2	S488 and (wireless\$4 and (location\$4 gps) and (id identification key flag))	US-PGPUB	OR	ON	2018/12/18 12:23
S498	9	"41610774".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/06/10 02:55
S499	0	((("BjÄrnsell") near3 ("Johan") near3 ("Emil") near3 ("Viktor"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S500	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S501	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S502	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S503	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	OFF	2019/06/10 03:00
S504	19	((("VOIP-PAL.COM")).AS,AANM.	US-PGPUB; USPAT	OR	OFF	2019/06/10 03:00
S505	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2019/06/10 03:00

S506	0	(S499 S500 S501 S502 S503 S504 S505) AND (IP NEAR2 address\$4 AND access ADJ2 code\$3 AND (ID identification key location geographical) AND gateway).clm.	US-PGPUB; USPAT	OR	ON	2019/06/10 03:00
S507	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/06/10 03:00
S508	2	S507 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/06/10 03:00
S509	39,324	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 03:00
S510	555	S509 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/06/10 03:00
S511	0	S510 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) SAME (access\$4 NEAR5 code\$4) SAME (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/06/10 03:01
S512	1	14/035806.app.	US-PGPUB; USPAT;	OR	ON	2019/06/10 13:48

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S513	31	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/06/10 14:00
S515	39,298	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 14:00
S517	25,768	(access\$4) NEAR5 (request\$4 demand\$4 inquiry\$4 appeal\$4) WITH (server\$4 gateway\$4 router\$4) SAME (WD UE TE TA mobile terminal WTRU)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:04
S518	13	((wireless adj2 (device equipment terminal phone iphone)) NEAR10 (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) SAME (access\$4 NEAR5 code\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:05
S519	1	S513 AND (access\$4) NEAR5 (request\$4 demand\$4 inquiry\$4 appeal\$4) WITH (server\$4 gateway\$4 router\$4) SAME (WD UE TE TA mobile terminal WTRU)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:05
S520	25,768	(access\$4) NEAR5 (request\$4 demand\$4 inquiry\$4 appeal\$4) WITH (server\$4 gateway\$4 router\$4)	US-PGPUB; USPAT; FPRS; EPO;	OR	OFF	2019/06/10 14:06

		SAME (WD UE TE TA mobile terminal WTRU)	JPO; IBM_TDB			
S521	174	((wireless adj2 (device equipment terminal phone iphone)) SAME (location\$4 geographical\$4) SAME (ID key\$4 identificat\$4) SAME (access\$4 NEAR5 code\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:06
S522	7	S517 and S521	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 14:08
S523	4	S522 AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 14:10
S524	8,115	((user UE terminal WTRU TE TA user adj2 equipment station) NEAR5 (location\$4 gps site\$4 position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) SAME (server\$3 proxy\$3 gateway\$1 webserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/07/29 22:04
S525	15,234	((user UE terminal WTRU TE TA user adj2 equipment station) NEAR5 (location\$4 gps site\$4 position latitude\$4 coordinat\$4) SAME (destination\$4 deliver\$4 receiver\$4) SAME (server\$3 proxy\$3 gateway\$1 webserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/07/29 22:05
S526	32	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2019/07/29 22:05

		20080255944-\$ or US-20060077983-\$ or US-20080261560-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S527	2	(US-20080056235-\$ or US-20080261560-\$).did.	US-PGPUB	OR	ON	2019/07/29 22:06
S528	2	S527 and (location\$4 GPS) and (user wtru terminal station)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/07/29 22:07
S529	2	"20130109314".PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/07/30 12:51
S530	34	(US-20070281705-\$ or US-20090252159-\$ or US-20130028251-\$ or US-20040042607-\$ or US-20080049732-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$).did. or (US-20080261560-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/13 16:07
S531	2	(US-20080261560-\$ or US-20080056235-\$).did.	US-PGPUB	OR	ON	2019/08/13 17:22
S532	6	(US-20080261560-\$ or US-20080056235-\$ or US-20080160953-\$ or US-20030114145-\$ or US-20090017842-\$ or US-20060109960-\$).did.	US-PGPUB	OR	ON	2019/08/13 17:22
S533	18	S530 and (access\$4 NEAR2 server)	US-PGPUB; USPAT;	OR	ON	2019/08/13 17:23

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S534	11	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:24
S535	1	S531 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:27
S536	1	S531 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:36
S537	4	S534 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:37
S538	4	S534 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) WITH (location\$4 gsp address site\$1 place\$1 office\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:42
S539	4	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) WITH	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:51

		(location\$4 gsp address site\$1 place\$1 office\$3)				
S540	9	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) SAME (location\$4 gsp address site\$1 place\$1 office\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:52
S541	8	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) SAME (location\$4 gsp address site\$1 place\$1 office\$3) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:53
S542	33	S530 and (location\$4 gps address facility site\$1 place\$1 office\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:02
S543	21	S530 and ((ID identification key flag\$4) WITH (location\$4 gps address facility site\$1 place\$1 office\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:03
S544	14	S530 and ((ID identification key flag\$4) WITH (location\$4 gps address facility site\$1 place\$1 office\$4) and (access\$4 NEAR2 server\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:03
S545	12	S530 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) NEAR5 (messag\$4 code\$4 packet\$4 frame\$3) AND (ID identification key flag\$4) WITH (location\$4 gps address facility site\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:04

		place\$1 office\$4) and (access\$4 NEAR2 server\$3))				
S546	313,844	(370/310-338,395\$.ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2019/08/13 18:10
S547	43	S546 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) NEAR5 (messag\$4 code\$4 packet\$4 frame\$3) SAME (ID identification key flag\$4) SAME (location\$4 gps site\$1 place\$1 office\$4) SAME (access\$4 NEAR2 server\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:10
S548	43	S546 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) NEAR5 (messag\$4 code\$4 packet\$4 frame\$3) SAME (ID identification key flag\$4) SAME (location\$4 gps site\$1 place\$1 office\$4) SAME (access\$4 NEAR2 server\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:11
S549	8,229	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2019/08/13 18:12
S550	1,156	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/08/13 18:12
S551	1,228	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/08/13 18:12
S552	41,274	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:12
S553	35,974	S552 S549 S550 S551	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:12

S554	0	S548 and S553	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:13
S555	29	"8402559"	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:36
S556	8	"8402559".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:36
S557	1	"8402559".pn.	US-PGPUB; USPAT	OR	ON	2019/08/13 18:36
S558	4	"32074773".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/08/13 18:37
S559	70,646	(terminal devic\$1 wtru ue user adj2 equipment) WITH (location\$4 gps site geograph\$5) NEAR6 (id identification key flag\$4)	US-PGPUB; USPAT	OR	ON	2019/08/13 18:39
S560	6,909	(terminal devic\$1 wtru ue user adj2 equipment) WITH (location\$4 gps site geograph\$5) NEAR6 (id identification key flag\$4) and (destination\$4) NEAR5 (phone number identification ID identif\$4)	US-PGPUB; USPAT	OR	ON	2019/08/13 18:40
S561	1,118	(terminal devic\$1 wtru ue user adj2 equipment) WITH (location\$4 gps site geograph\$5) NEAR6 (id identification key flag\$4) and (destination\$4) NEAR5 (phone number identification ID identif\$4) and (access\$4 NEAR2 server\$4) and (reply\$4 respons\$4 feed\$1back feedback\$3 ack acknowledg\$4) NEAR5 (messag\$4 packet\$4 frame\$4)	US-PGPUB; USPAT	OR	ON	2019/08/13 18:41
S562	348	S561 and (path\$4 link\$4 channel\$4) WITH (router\$4 rout\$3 gateway\$3) SAME Access\$4	US-PGPUB; USPAT	OR	ON	2019/08/13 18:43
S563	117	S561 and ((path\$4 link\$4 channel\$4) WITH (router\$4 rout\$3 gateway\$3) SAME Access\$4) AND (@AD <"20080728")	US-PGPUB; USPAT	OR	ON	2019/08/13 18:43

S564	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 19:21
S565	34	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/13 20:18
S566	17	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) and (access\$4 NEAR2 server\$3) and (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:19
S567	12	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 server\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:20
S568	23	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 server\$3 server\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:20

		webserver\$4 computer\$4 lifeserver\$1 gateway\$4))				
S569	12	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:21
S570	31,139	("370" "455" "375" "715" "725" H04W\$/\$ H04L\$/\$).clas,cpc. AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowleg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:32
S571	10,309	("370" "455" "375" "715" "725" H04W\$/\$ H04L\$/\$).clas,cpc. AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowleg\$4) SAME (location\$4 gps site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4) SAME2 (access\$4 NEAR7 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:34
S572	3,886,202	("370" "455" "375" "715" "725" H04W\$/\$ H04L\$/\$).clas,cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:34
S573	4,311,912	("370" "455" "375" "715" "725" H04W\$/\$ H04L\$/\$ H04B\$/\$).clas,cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:34
S574	8,840	((reply\$4 respons\$4 echo\$1back feed\$1back acknowleg\$4) WITH (location\$4 gps site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/13 20:37

		SAME2 (access\$4 NEAR7 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4))) AND (@AD <"20080728")	DERWENT; IBM_TDB			
S575	4,311,912	("370".clas. "455".clas. "375".clas. "715".clas. "725".clas. H04W\$/\$.cpc. H04L\$/\$.cpc. H04B\$/\$.cpc.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:39
S576	4,277	S574 and S575	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:00
S578	7	S576 AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) WITH (location\$4 gps) SAME (destinat\$4 NEAR4 (ID node identification identi\$4)) SAME (access\$4 NEAR7 (server\$3 webserver\$4 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:02
S579	3	"38821872".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/08/13 21:03
S580	1	S579 AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) AND (location\$4 gps) SAME (destinat\$4 NEAR6 (ID node identification identi\$4)) AND (access\$4 NEAR7 (server\$3 webserver\$4 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:05
S581	1	S579 AND ((location\$4 gps) SAME (destinat\$4 NEAR6 (ID node identification identi\$4)) AND (access\$4 NEAR7 (server\$3 webserver\$4 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:06
S582	2	S579 AND ((location\$4 gps) AND (destinat\$4 NEAR6 (ID node identification identi\$4)) AND (access\$4 AND (server\$3 webserver\$4 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:06

S583	1	S530 and (access\$3 WITH cod\$3 SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:06
S584	8	S530 and (access\$3 SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:07
S585	8	S530 and ((access\$3 grand\$4) SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:08
S586	6	S530 and ((access\$3 grand\$4) SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:08
S587	24	S530 and ((access\$3 grand\$4) AND (location gps) AND (reply\$4 respons\$4 echoback feed\$1back)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:12
S588	34	((access\$4 NEAR5 reply\$4) SAME (wireless device wtru UE user adj2 equipment TE TA WTRU) SAME (channel\$4 rout\$4) SAME (destinat\$4 end\$3)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:23
S589	0	S553 AND ((access\$4 NEAR5 reply\$4) SAME (wireless device wtru UE user adj2 equipment TE TA WTRU) SAME (channel\$4 rout\$4) SAME (destinat\$4 end\$3)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:23
S590	5	S553 AND ((access\$4 NEAR5 (reply\$4 respons\$4)) SAME (wireless device wtru UE user adj2 equipment TE TA WTRU) SAME (channel\$4 rout\$4) SAME (destinat\$4 end\$3)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:24

S591	34	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/14 13:28
S592	1	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME Access\$4 SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:29
S593	1,380	(access\$4 NEAR4 (reply\$4 respons\$4) SAME Access\$4 SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:29
S594	1	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:30
S595	4	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME (channel\$4 link\$4 rout\$4 connection) SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:30
S596	4	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME (channel\$4 link\$4 rout\$4 connection) SAME	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/14 13:31

		(destinat\$4 receiver\$4 user adj3 end mobile\$4 device\$4 wtru))	DERWENT; IBM_TDB			
S597	3	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME (channel\$4 link\$4 rout\$4 connection) SAME (destinat\$4 receiver\$4 user adj3 end mobile\$4 device\$4 wtru)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:32
S598	3	(access\$4 NEAR4 (reply\$4 respons\$4) SAME Access\$4 NEAR2 code SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:34
S599	23	(access\$4 NEAR4 (reply\$4 respons\$4) SAME code SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:36
S600	114	(access\$4 NEAR4 (reply\$4 respons\$4) SAME code SAME channel\$4 SAME (wireless adj2 device wtru mobile terminal destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:36
S601	350	(access\$4 NEAR4 (reply\$4 respons\$4) SAME (code key id identification identif\$4) SAME channel\$4 SAME (wireless adj2 device wtru mobile terminal destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:37
S602	60	(access\$4 NEAR3 (reply\$4 respons\$4) WITH (code key id identification identif\$4) WITH channel\$4 SAME (wireless adj2 device wtru mobile terminal destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:49
S603	0	(reserv\$4 NEAR5 channel\$4 SAME Access NEAR3 reply\$4 SAME (wireless adje device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:02

S604	0	(reserv\$4 NEAR5 channel\$4 SAME Access NEAR3 reply\$4 SAME (wireless adj2 device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:02
S605	2	(reserv\$4 NEAR5 channel\$4 SAME (reply\$4 respons\$4) SAME (wireless adj2 device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:02
S606	7	(reserv\$4 NEAR5 channel\$4 SAME (wireless adj2 device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:09
S607	4	(reserv\$4 NEAR5 channel\$4 SAME access\$4 NEAR5 (reply\$4 respons\$4) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:11
S608	4	((reserv\$4 retriv\$4 restor\$4) NEAR5 channel\$4 SAME access\$4 NEAR5 (reply\$4 respons\$4) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:12
S609	74	(access near3 cod\$3 NEAR3 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 device)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:21
S610	20	(access near3 cod\$3 NEAR3 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 device) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:22
S611	20	(access near3 cod\$3 NEAR3 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 device) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/14 14:22
S612	52	(access NEAR5 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME	US-PGPUB; USPAT;	OR	ON	2019/08/14 14:26

		(wireless NEAR2 device) AND (@AD <"20080728")	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S613	91	(access NEAR5 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 (device terminal\$4 equipment) user adj2 equipment WTRU) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:26
S614	3,736	(access\$4 NEAR5 (allow\$4 grant\$4) WITH (reply\$4 respons\$4) SAME (server\$4 webserv\$5 network\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:40
S615	33	S614 and (destination\$4 receiver\$4) SAME channel\$4 NEAR4 access\$5 with (grant\$4 allow\$4 permission\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:42
S616	5	"6415154".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:44
S617	4	"20160026743"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:45
S618	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:53
S619	1	S618 AND (access NEAR5 reply SAME (receiv\$4 WITH access NEAR3 code) SAME destination SAME channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:53
S620	3	"20070286170"	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2019/08/14 15:10

			JPO; DERWENT; IBM_TDB			
S621	2	S620 and (respons\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:10
S622	2	S620 and (respons\$4 and (location\$4 gps))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:10
S623	2	S620 and (respons\$4 and (location\$4 gps) and (server\$4 gateway\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:11
S624	2	S620 and (respons\$4 and (location\$4 gps) and (server\$4 gateway\$4) and (path\$4 rout\$4 link\$4 channel\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:11
S625	2	S620 and (respons\$4 and (location\$4 gps) and (server\$4 gateway\$4) and (path\$4 rout\$4 link\$4 channel\$4) AND (access\$4 grant\$4 allow\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:12
S626	2	S620 and ((respons\$4 reply\$4) and (location\$4 gps) and (server\$4 gateway\$4) and (path\$4 rout\$4 link\$4 channel\$4) AND (access\$4 grant\$4 allow\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:12
S627	34	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/14 17:09

		20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S628	6	S591 and (reply\$4 respons\$4 feed\$1back feedback\$4 ack acknowledg\$4) NEAR5 (code\$4 grant\$4 allow\$4) SAME (channel\$4 path\$3 rout\$3 frequency\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:10
S629	10	S591 and (reply\$4 respons\$4 feed\$1back feedback\$4 ack acknowledg\$4) NEAR5 (code\$4 grant\$4 allow\$4) AND (channel\$4 path\$3 rout\$3 frequency\$4) WITH (reply\$4 respons\$4 feed\$1back feedback\$4 ack acknowledg\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:12
S630	2	(access\$4 NEAR2 reply\$4 WITH channel\$4 WITH Destinats\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:36
S631	2	(access\$4 NEAR2 reply\$4 SAME channel\$4 SAME Destinats\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:36
S632	3	(access\$4 NEAR2 reply\$4 SAME channel\$4 SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:37
S633	3	(access\$4 NEAR2 reply\$4 SAME (channel\$4 frequenc\$4) SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:37

S634	3	(access\$4 NEAR2 reply\$4 SAME (channel\$4 frequenc\$4 tunnel\$4) SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:38
S635	406	(access\$4 NEAR6 (respons\$4 reply\$4) SAME (channel\$4 frequenc\$4 tunnel\$4) SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:38
S636	86	(access\$4 NEAR6 (respons\$4 reply\$4) SAME (channel\$4 frequenc\$4 tunnel\$4) SAME (wireless adj3 (device terminal equipment) OR WTRU) SAME (destination\$3 end remot\$4 receiver\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:39
S637	1,462	(access\$4 NEAR6 (respons\$4 reply\$4) SAME (channel\$4 frequenc\$4 tunnel\$4) WITH (destination\$3 end remot\$4 receiver\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:53
S638	422	(access\$4 NEAR3 (respons\$4 reply\$4) WITH (channel\$4 frequenc\$4 tunnel\$4) WITH (destination\$3 end remot\$4 receiver\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:53
S639	97	(access\$4 NEAR3 (respons\$4 reply\$4) WITH (channel\$4 frequenc\$4 tunnel\$4) WITH (destination\$3 end remot\$4 receiver\$3) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:53
S640	1	(channel\$4 WITH select\$4 WITH (replay resons\$4) WITH access\$4 SAME destinat\$3) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:59
S641	1	(channel\$4 NEAR5 select\$4 SAME (replay resons\$4) SAME access\$4 SAME destinat\$3) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:00

S642	0	(channel\$4 NEAR5 select\$4 SAME access NEAR5 (reply resons\$4) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:01
S643	0	(channel\$4 NEAR5 select\$4 SAME (access\$4 admission\$4 etner\$4 servic\$4 cover\$4 retriev\$4) NEAR5 (reply resons\$4) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:03
S644	17	((channel\$4 frequenc\$4) SAME (access\$4 admission\$4 etner\$4 servic\$4 cover\$4 retriev\$4) NEAR5 (reply resons\$4) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:03
S645	4,311,912	("370".clas. "455".clas. "375".clas. "715".clas. "725".clas. H04W\$/\$.cpc. H04L\$/\$.cpc. H04B\$/\$.cpc.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:05
S646	7	S645 and S644	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:05
S647	501	S645 and (channel\$4 WITH access NEAR2 code WITH wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:08
S648	0	S645 and (channel\$4 WITH access NEAR2 code NEAR5 (reply\$4 resons\$4) WITH wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:09
S649	1	S645 and (channel\$4 WITH access NEAR2 code SAME (reply\$4 resons\$4) WITH wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:09

S650	1	S645 and (channel\$4 WITH access NEAR2 code SAME (reply\$4 resons\$4) SAME wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:09
S651	36	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$ or US-20070286170-\$ or US-20070230423-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/14 18:10
S652	4	S596	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:10
S653	1	S652 AND (channel\$4 SAME access\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:11
S654	1	S652 AND (channel\$4 and wireless and (reply\$4 respons\$4) and wireless)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:14
S655	17	S651 AND (channel\$4 and wireless and (reply\$4 respons\$4) and wireless)	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2019/08/14 18:15

			JPO; DERWENT; IBM_TDB			
S656	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2019/08/14 18:35
S657	3	S656 and (server\$4 and (data voice video))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:36
S658	3	S656 and (server\$4 and (data voice video) and (sms short\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:43
S659	2	S658 and (IP NEAR5 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:05
S660	2	S658 and (IP NEAR5 address) same (location\$4 gps)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:05
S661	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2019/08/14 21:47
S662	3	S661 and (server\$4 and (data voice video) and (sms short\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:47
S663	2	S662 and (IP NEAR5 address) same (location\$4 gps)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:47
S664	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2019/08/15 01:45

S665	3	S664 and (server\$4 and (data voice video) and (sms short\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:45
S666	2	S665 and (IP NEAR5 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:45
S667	2	S665 and (IP NEAR5 address) AND (router\$4 gateway\$4 switch\$4 network near2 (equipment device element))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:46
S668	48	("20060093135" "20040022237" "7055174" "20060153342" "20060258328" "6724860" "20070112964" "7046658" "20030200311" "8116307" "6151385" "6597686" "6744858" "20060072550" "20050025043" "6963557" "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:47
S669	34	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/15 01:47
S670	27	(S668 S669) and (IP NEAR5 address) AND (router\$4 gateway\$4 switch\$4	US-PGPUB; USPAT;	OR	ON	2019/08/15 01:47

		network near2 (equipment device element))	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S671	27	(S668 S669) and (IP NEAR5 address) AND (router\$4 gateway\$4 switch\$4 network near2 (equipment device element)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:48
S672	25	(S668 S669) and (IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:48
S673	8	(S668 S669) and ((second another different alternativ\$4 third fourth "2nd" "3rd") WITH IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:49
S674	1	"36462815".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/08/15 01:55
S675	24	(S668 S669) and (IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element) and (location\$4 gps)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 02:01
S676	24	(S668 S669) and (IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element) SAME3 (location\$4 gps)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 02:01
S677	24	(S668 S669) and (IP NEAR5 address) SAME3 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element) SAME3 (location\$4 gps)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 02:01
S678	20	(S668 S669) and (IP NEAR5 address) SAME (router\$4 gateway\$4 switch\$4 network near2 (equipment device element) SAME (location\$4 gps)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/15 02:02

			DERWENT; IBM_TDB			
S679	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/16 18:36
S680	3	(US-20080056235-\$ or US- 20070286170-\$ or US-20070230423- \$).did.	US-PGPUB	OR	ON	2019/08/16 18:53
S681	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/02 14:09
S682	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2020/05/02 14:10
S683	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/02 14:11
S684	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/02 14:11
S685	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/02 14:11
S686	29	(digifonica).as,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/02 14:12
S687	20	((("VOIP-PAL.COM"))).AS,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/02 14:12
S688	0	(S687 S686 S685 S684 S683 S682) AND (source\$4 and destinat\$4 and (access\$4 NEAR4 (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 16:58
S689	0	(S687 S686 S685 S684 S683 S682) AND (source\$4 and destinat\$4 and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:05
S690	3	(S687 S686 S685 S684 S683 S682) AND ((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE	US-PGPUB; USPAT	OR	ON	2020/05/02 17:06

		TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.				
S691	36	(US-20080261560-\$ or US- 20080125146-\$ or US-20070281705- \$ or US-20030095542-\$ or US- 20140016635-\$ or US-20070112964- \$ or US-20080255944-\$ or US- 20080056235-\$ or US-20080160953- \$ or US-20030087648-\$ or US- 20030114145-\$ or US-20060077983- \$ or US-20070286170-\$ or US- 20020122391-\$ or US-20040042607- \$ or US-20060043164-\$ or US- 20080101370-\$ or US-20090017842- \$ or US-20100004005-\$ or US- 20030114139-\$ or US-20060189337- \$ or US-20070156909-\$ or US- 20040205211-\$ or US-20090252159- \$ or US-20070121590-\$ or US- 20060109960-\$).did. or (US- 20090265552-\$ or US-20040022237- \$ or US-20070230423-\$).did. or (US- 6016319-\$ or US-6963635-\$ or US- 6674745-\$ or US-5454030-\$ or US- 7079526-\$ or US-7068684-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2020/05/02 17:38
S692	3	(US-20080056235-\$ or US- 20070286170-\$ or US-20070230423- \$).did.	US-PGPUB	OR	ON	2020/05/02 17:45
S693	2	S692 and (location\$4 gps) and (packet\$4 frame\$4 reply\$4 echo\$3)	US-PGPUB	OR	ON	2020/05/02 19:03
S694	1	S681 and (access near5 code\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/02 19:14
S700	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/04 13:07
S701	3	(US-20080056235-\$ or US- 20070286170-\$ or US-20070230423- \$).did.	US-PGPUB	OR	ON	2020/05/04 14:21
S702	2	S701 and (location\$4 gps) and (packet\$4 frame\$4 reply\$4 echo\$3)	US-PGPUB	OR	ON	2020/05/04 14:21

S703	1	S700 and (location\$4 gps) SAME (access near\$4 code\$1)	US-PGPUB	OR	ON	2020/05/04 14:46
S704	1	S701 and (access\$4 NEAR\$5 code\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 15:08
S705	2	S701 and (access\$4 AND location\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 15:08
S706	45	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 16:11
S707	45	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 16:18
S708	22	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4) SAME (channel\$3 path\$1 rout\$4 link\$1 lane\$1 pipeline\$1 pathway\$1 tunnel\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 16:48
S709	11,511	(reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:03

S710	3,866	(reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:04
S711	34	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) NEAR5 (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:05
S712	104	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) SAME (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) SAME (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728") NOT S711	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:29
S713	138	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) SAME (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) SAME (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:29
S714	104	S713 NOT S711	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:32
S715	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2020/05/05 19:25
S716	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/05 19:25
S717	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/05 19:25

S718	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/05 19:25
S719	29	(digifonica).as,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:25
S720	20	((("VOIP-PAL.COM"))).AS,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:25
S721	0	(S720 S719 S718 S717 S716 S715) AND (source\$4 and destinat\$4 and (access\$4 NEAR4 (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:25
S722	29	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US- 20080125146-\$ or US-20070156909- \$ or US-20080101370-\$ or US- 20140016635-\$ or US-20090017842- \$ or US-20060109960-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US- 6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2020/05/05 19:25
S723	2	S722 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/05/05 19:25
S724	582,394	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/05 19:25
S725	12	S724 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5) and (identifier ID identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/05 19:25

S726	3	(S720 S719 S718 S717 S716 S715) AND ((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:27
S727	45	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27
S728	34	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) NEAR5 (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27
S729	34	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) NEAR5 (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27
S730	104	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) SAME (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) SAME (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728") NOT S729	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L22	6	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.	USPAT	OR	ON	2020/09/03 17:13
L23	6	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.	USPAT	OR	ON	2020/09/03 17:15
S695	1,128	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:07
S696	57	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:09
S697	43	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:11
S698	29	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4)	US-PGPUB; USPAT	OR	ON	2020/05/02 17:12

		AND (user\$1 input\$4) AND (server\$4 webserver\$4)).clm.				
S699	5	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.	USPAT	OR	ON	2020/05/02 17:13
S731	5	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.	USPAT	OR	ON	2020/05/05 19:28

9/3/2020 5:18:42 PM

C:\Users\mrahman6\Documents\EAST\Workspaces\14035806_10098_MOBILE
GATEWAY_DigifonicaInternational2.wsp

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	69	"4661974".pn. "4799255".pn. "5572583".pn. "5778187".pn. "5875240".pn. "5937053".pn. "6073142".pn. "6122357".pn. "6185565".pn. "6192123".pn. "6205135".pn. "6289010".pn. "6292547".pn. "6292553".pn. "6324280".pn. "6363065".pn. "6449353".pn. "6460050".pn. "6480885".pn. "6498791".pn. "6608831".pn. "6707901".pn. "6714793".pn. "6718032".pn. "6754181".pn. "6772210".pn. "6775269".pn. "6804346".pn. "6870827".pn. "6928479".pn. "6944272".pn. "6954455".pn. "7016343".pn. "7047561".pn. "7110523".pn. "7346156".pn. "7359368".pn. "7412049".pn. "7453990".pn. "7616753".pn. "7765263".pn. "7836136".pn. "7916846".pn. "7822188".pn. "8036362".pn. "8306021".pn. "8339997".pn. "8351591".pn. "9094525".pn. "9253332".pn. "8542815".pn. "9179005".pn. "9537762".pn. "9813330".pn. "9826002".pn. "9935872".pn. "9948549".pn. "10218606".pn. "20010028642".pn. "20020101974".pn. "20030091028".pn. "20030095541".pn. "20050135401".pn. "20050164704".pn. "20070061397".pn. "20070121866".pn. "20070286170".pn. "20070230423".pn. "20080261560".pn.	US-PGPUB; USPAT	OR	ON	2020/09/07 19:49
L2	21	CA-2668025-\$.did. CA-2732148- \$.did. CA-3032707-\$.did. CA- 3045672-\$.did. CA-3045681-\$.did. CA-3045683-\$.did. CA-3045694- \$.did. EP-1054569-\$.did. EP-	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/09/07 19:51

		2084868-\$.did. EP-2311292-\$.did. EP-2311292-\$.did. EP-3386155-\$.did. WO-2000069156-\$.did. WO- 2001006740-\$.did. WO-2003028355- \$.did. WO-2004008786-\$.did. WO- 2003096559-\$.did. WO-2004102941- \$.did.				
S1	2	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/02/25 16:48
S2	34	("20060093135" "20040022237" "7055174" "20060153342" "20060258328" "6724860" "20070112964" "7046658" "20030200311" "8116307" "6151385" "6597686" "6744858" "20060072550" "20050025043" "6963557" "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/02/25 18:09
S3	2	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S4	34	("20060093135" "20040022237" "7055174" "20060153342" "20060258328" "6724860" "20070112964" "7046658" "20030200311" "8116307" "6151385" "6597686" "6744858" "20060072550" "20050025043" "6963557" "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S5	34	("20060093135" "20040022237" "7055174" "20060153342" "20060258328" "6724860" "20070112964" "7046658" "20030200311" "8116307" "6151385" "6597686" "6744858" "20060072550" "20050025043" "6963557" "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S6	4	((JOHAN) near2 (BJORSELL)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:16
S7	3	((MAKSYM) near2 (SOBOLYEV)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:16
S8	2	((PENTTI) near2 (HUTTUNEN)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:17

S10	5	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:21
S11	5	S6 or S7 or S8 or S10	US-PGPUB; USPAT	OR	ON	2013/03/13 16:21
S12	288,340	(370/310-338,395.\$.\$ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:29
S13	1,195	((caller 'calling party')same (callee 'called party') same access same code same request same call\$4)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:33
S14	701	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call\$4)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:33
S15	40	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call\$4 same server same rout\$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:34
S16	23	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call\$4 same server same rout\$5 same (channel or (ID identifier identificat\$5)))	US-PGPUB; USPAT	OR	ON	2013/03/13 16:36
S18	2	us-20070112964-\$.did. us- 20040022237-\$.did.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:49
S19	4	us-20070112964-\$.did. us- 20040022237-\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:49
S20	245,256	(370/310-338,395.\$.\$ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:52
S21	1	S20 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2013/03/13 16:53
S22	366,030	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:54
S24	354	S22 and ((access adj code) same (channel ID identification) same request)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:55
S25	8	S22 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:56

S26	10	S22 and ((access adj2 code) same caller same callee)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:59
S27	58	S22 and ((phone caller callee 'calling party') same server same router same (initiat\$4 or setup or sett\$4) same channel)	US-PGPUB; USPAT	OR	ON	2013/03/13 17:05
S28	10	S22 and ((phone caller callee "calling party" "called party" "called terminal" "calling party") same server same rout\$5 same (call near\$5 (initiat\$4 or setup)) same channel same request same (ID identif\$7))	US-PGPUB; USPAT	OR	ON	2013/03/13 17:19
S29	257	S22 and (caller callee "calling party" "called party" "called terminal" "calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 17:27
S30	72	S22 and (caller callee "calling party" "called party" "called terminal" "calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5) same access\$5	US-PGPUB; USPAT	OR	ON	2013/03/13 17:28
S31	11	(US-20070281705-\$ or US-20130028251-\$ or US-20090252159-\$ or US-20080049732-\$ or US-20070121590-\$ or US-20040042607-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$).did. or (US-7068684-\$ or US-6963635-\$).did.	US-PGPUB; USPAT	OR	ON	2013/03/13 19:13
S32	9	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:13
S33	3	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5) and processor and interface and identification)	US-PGPUB; USPAT	OR	ON	2013/03/13 19:16
S34	7	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5) and channel and (initiat\$5 setup) and (identi\$7 ID))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:18
S35	7	S31 and ((caller callee "calling party" "called party" "called terminal"	US-PGPUB; USPAT	OR	ON	2013/03/13 19:21

		"calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5) and channel and (initiat\$5 setup) and (identi\$7 ID) and voice and (location local\$3 geograph\$5 area) and number)				
S36	2	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5) and channel and (initiat\$5 setup) and (identi\$7 ID) and voice and (location local\$3 geograph\$5 area) and number and expir\$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 19:22
S37	2	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call\$3 near server) same (router gateway rout\$3 adj control\$5) and channel and (initiat\$5 setup) and (identi\$7 ID) and voice and (location local\$3 geograph\$5 area) and number and expir\$5 and (access adj code))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:54
S39	3	"7079526".pn. us-20030114145-\$\$.did. "6016319".pn.	US-PGPUB; USPAT	OR	ON	2013/03/14 11:27
S40	409,041	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:17
S43	21,100	S40 and (initiat\$4 adj3 call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:21
S44	128	S40 and ((initiat\$4 adj2 call) same (access adj2 code))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:22
S45	101	S40 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:23

S46	38	S40 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((voice data) adj2 network))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:23
S47	33	S40 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:25
S48	11	S40 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5) and (identifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:26
S49	35	("2006/0189337").URPN.	USPAT	OR	ON	2013/03/15 11:34
S50	5	S46 not S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:46
S51	63	S45 not S46	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:47
S52	409,041	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:52
S53	0	S52 and ((initiat\$4 adj2 call) same (access adj2 code) same (data adj2 network\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:52
S54	213	S52 and ((initiat\$4 with call) same (access adj5 code) and (data with network\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2013/03/15 11:53

			DERWENT; IBM_TDB			
S55	159	S52 and ((initiat\$4 with call) same (access adj5 code) and (data with network\$5) and (wirless mobile handfree))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:54
S56	22	S52 and ((initiat\$4 with call) same (access adj5 code) and (data with network\$5) and (wirless mobile handfree) adj5 (IP or (internet adj2 protocol)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:54
S57	20	S52 and ((initiat\$4 with call) same (access adj5 code) and (data adj5 network\$5) and (wirless mobile handfree) adj5 (IP or (internet adj2 protocol)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:55
S58	17	(US-20070281705-\$ or US-20130028251-\$ or US-20090252159-\$ or US-20080049732-\$ or US-20070121590-\$ or US-20040042607-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:01
S62	17	S58 and (server)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:02
S63	11	S58 and (server and client)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:03
S64	181	S52 and (channel same (ID indentifier indentification) same request same server same (router rout\$5 gateway adj control\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:32
S65	27	S52 and (channel same (ID indentifier indentification) same request same (call\$5 near5 server) same (router rout\$5 gateway adj control\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2013/03/15 12:33

			DERWENT; IBM_TDB			
S67	154	S64 not S65	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:34
S68	32	S52 and (channel same (ID indentifier indentification) same request same (call\$5 near5 server) same (router rout\$5 gateway))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:34
S69	2	S52 and (channel same (ID indentifier indentification) same request same (call\$5 near5 server) same (router rout\$5 gateway) and (wireless adj2 ip adj4 network\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:35
S72	2	S52 and (channel same (ID indentifier indentification) same request same (call\$5 near5 server) same (router rout\$5 gateway) AND (wireless adj2 ip adj4 network\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:36
S73	5	S52 and (channel same (ID indentifier indentification) same request same (call\$5 near5 server) same (router rout\$5 gateway) AND (wireless with (ip or (internet adj2 protocol))))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:46
S74	12	S52 and (channel same (ID indentifier indentification) same request same (call\$5 near5 server) same (router rout\$5 gateway) AND ((wireless mobile) with (ip or (internet adj2 protocol))))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:48
S76	7	S74 not S73	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:49
S77	432,569	("370".clas. "709".clas. "455".clas. "725".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2013/03/15 13:10

			DERWENT; IBM_TDB			
S79	2	S77 and (channel same (ID identifier identification) same request same (call\$5 near\$5 server) same (router rout\$5 gateway) AND (wireless adj\$5 IP))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 13:11
S82	0	S79 and (POOL)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:32
S83	0	S79 and (indenfi\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S84	2	S79 and (identifi\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S85	2	S79 and (identifi\$5 and access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S86	0	S79 and (identifi\$5 with access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S87	2	S79 and (identifi\$5 and access and number)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S88	2	S79 and (identifi\$5 and access and number and associat\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2013/03/15 15:34

			DERWENT; IBM_TDB			
S89	2	S79 and (identifi\$5 and access and number and associat\$5 and select\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:34
S90	900	S52 and (pool database) with (access adj code phone adj number) with (associat\$3 respective)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:57
S91	0	S52 and (pool database) with (access adj code) with (phone adj number) with (associat\$3 respective) same (wireless IP)\	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:57
S92	0	S52 and (pool database) with (access adj code) with (phone adj number) with (associat\$3 respective) and (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S93	820	S52 and (pool database) with (access adj code phone adj number) with (associat\$3 respective) and (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S94	181	S52 and (pool database) with (access adj code phone adj number) with (associat\$3 respective) same (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S95	8	S52 and (pool database) with (access adj code phone adj number) with (associat\$3 respective) same (wireless with IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:59
S98	20	(US-20070281705-\$ or US-20130028251-\$ or US-20090252159-\$ or US-20080049732-\$ or US-20070121590-\$ or US-20040042607-\$ or US-20040022237-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:13

		20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$).did. or (WO-2010012090-\$).did.				
S99	11	S98 and (local with number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:17
S100	9	S98 and (local near7 number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:19
S101	7	S98 and (local near4 number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:19
S102	3	(US-20040022237-\$ or US-20080056235-\$).did. or (US-6674745-\$).did.	US-PGPUB; USPAT	OR	ON	2013/03/15 16:49
S103	3	S102 AND (ip adj2 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:49
S104	0	S102 AND (ip adj2 address with mobile)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:50
S105	2	S102 AND (ip adj2 address with (receiv\$5 reception))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:50
S106	3	S102 AND (ip adj2 address with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:52
S107	0	S102 AND (ip adj2 address with server with receiv\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2013/03/15 16:53

			DERWENT; IBM_TDB			
S108	1	S102 AND (ip adj2 address with receiv\$3 same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:53
S109	0	S102 AND ((ip adj address) with caller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:54
S110	2	S102 AND ((ip adj address) with call\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:54
S111	1	"12116756"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 14:43
S112	3	(US-20040022237-\$ or US- 20080056235-\$).did. or (US- 6674745-\$).did.	US-PGPUB; USPAT	OR	ON	2013/03/16 15:36
S115	1	S112 AND (identif\$5 same wireless)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 15:37
S116	3	S112 AND (identif\$5 and (mobile wireless))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:09
S117	1	S112 AND (identif\$5 with (mobile wireless))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:09
S118	2	S112 AND (identif\$5 same (mobile wireless))	US-PGPUB; USPAT;	OR	ON	2013/03/16 16:09

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S119	3	S112 AND (identi\$6 and (mobile wireless) and config\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:11
S122	3	S112 AND (identi\$6 and (mobile wireless) and config\$5 and user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:11
S123	3	S112 AND (identi\$6 and (mobile wireless) and config\$5 and user and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:12
S124	2	S112 AND (identi\$6 same (mobile wireless) and config\$5 and user and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:12
S126	1	S112 AND (identi\$6 same (mobile wireless) and (config\$5 same location) and user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:13
S127	1	S112 AND (identi\$6 same (mobile wireless) same location and (config\$5 same user))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:17
S128	2	S112 AND (location same identi\$6 same user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:50
S129	3	S112 AND (local same number)	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2013/03/16 17:08

			JPO; DERWENT; IBM_TDB			
S130	2	S112 AND (local near5 number)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:12
S131	3	S112 AND (IP adj2 network same rout\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:19
S136	3	S112 AND (call same channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:39
S137	1	S112 AND (call same channel same establ\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:39
S141	1	S112 AND (establ\$5 same call same channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:41
S142	2	S112 AND (call\$5 same identif\$6 same access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 18:31
S143	1	S112 AND (call\$5 same identif\$6 same access same code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 18:31
S144	3	(US-20040022237-\$ or US-20080056235-\$).did. or (US-6674745-\$).did.	US-PGPUB; USPAT	OR	ON	2013/03/18 19:29

S145	3	S144 and (telephone same number)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:30
S146	2	S144 and ((number or code) with match\$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:31
S147	3	S144 and ((number or code or ID or identifier) with called)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:37
S148	2	S144 and ((number or code or ID or identifier) with channel)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:45
S149	1	S144 and ((number or code) same (ID or identifier) same channel)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:46
S150	2	S144 and ((number or code or ID or identifier) same channel same (called dialed))	US-PGPUB; USPAT	OR	ON	2013/03/18 19:49
S151	2	S144 and (channel same (called dialed))	US-PGPUB; USPAT	OR	ON	2013/03/18 19:51
S152	3	S144 and (TTL expir\$5 timestap)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:56
S153	3	S144 and (TTL expir\$5 timestamp)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:56
S154	2	S144 and (data non\$1voice) with (reply respon\$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:09
S155	2	S144 and (data non\$1voice) same (code numer ID identifier) same (reply respon\$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:10
S156	3	S144 and (data non\$1voice) same (code numer ID identifier)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:12
S157	3	S144 and (data non\$1voice) same (code numer ID identifier) same2 (reply\$3 respon\$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:14
S158	3	S144 and (data non\$1voice) same (code number ID identifier) same2 (reply\$3 respon\$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:14
S159	3	S144 and (data non\$1voice) same (code number ID identifier) same (reply\$3 respon\$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:17
S160	1	S144 and code with (reply\$3 respon\$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:19
S161	3	S144 and (number ID identifier) with (reply\$3 respon\$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:21
S162	2	S144 and (access adj code)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:23
S163	0	S144 and (access adj code) same (reply reponse respond\$3)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:23

S164	1	S144 and (access adj code) same2 (reply reponse respond\$3)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:24
S165	1	S144 and code same query	US-PGPUB; USPAT	OR	ON	2013/03/18 20:26
S166	0	"L29" and (data with interface with access adj code with (reply response respond\$3))	US-PGPUB; USPAT	OR	ON	2013/03/18 20:26
S167	366,130	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/18 20:27
S168	6	S167 and (data with interface with access adj code with (reply response respond\$3))	US-PGPUB; USPAT	OR	ON	2013/03/18 20:27
S169	1	S167 and (access adj code) with expir\$5 with (establish\$4 ssetup)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:41
S170	3	S167 and (access adj code) with expir\$5 with (establish\$4 setup)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:41
S171	8	S167 and (access adj code) with expir\$5 with call\$3	US-PGPUB; USPAT	OR	ON	2013/03/18 20:43
S172	5	(US-20040022237-\$ or US-20080056235-\$ or US-20020122391-\$).did. or (US-6674745-\$ or US-5454030-\$).did.	US-PGPUB; USPAT	OR	ON	2013/03/22 14:46
S173	3	S172 and (dial\$3 with number)	US-PGPUB; USPAT	OR	ON	2013/03/22 15:52
S174	2	S172 and (called with number with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 15:58
S175	1	S172 and (calling with number with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:00
S176	1	S172 and (calling with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:01
S178	2	S172 and (request with access)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:03
S179	4	S172 and (access near code)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:04
S180	1	S172 and (access with soft)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:06
S181	1	S172 and (access same soft same (caller calling))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:08
S182	1	S172 and (access same request\$3 same (caller calling))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:09
S185	1	S172 and (reply with request\$3)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:15

S186	5	S172 and (reply response)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:16
S187	4	S172 and ((reply response) with (code id identif\$8))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:19
S188	4	S172 and ((calling caller) with (code id identif\$8))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:21
S189	3	S172 and ((calling caller) with (reply\$3 respon\$5))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:23
S190	1	S172 and ((calling caller) same called same (initial\$5 code access))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:24
S191	4	S172 and ((reply response) with (code id identif\$8) with (reply\$3 respon\$5))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:38
S193	5	(US-20040022237-\$ or US- 20080056235-\$ or US-20020122391- \$).did. or (US-6674745-\$ or US- 5454030-\$).did.	US-PGPUB; USPAT	OR	ON	2013/03/23 12:05
S194	3	S193 and (ip adj2 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:06
S195	0	S193 and (ip adj2 address with mobile)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:07
S196	1	S193 and (ip adj2 address same mobile)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:07
S197	3	S193 and (ip adj2 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:08
S198	3	S193 and (ip adj1 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:17
S199	1	S193 and (mobile same routed)	US-PGPUB; USPAT	OR	ON	2013/03/23 13:17
S200	2	S193 and (mobile same rout\$4)	US-PGPUB; USPAT	OR	ON	2013/03/23 13:18
S201	2	US-20070112964-\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/25 12:44
S202	2	"5519769".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/25 12:55
S203	5	"13056277"	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2015/11/09 13:30

			JPO; DERWENT; IBM_TDB			
S204	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 13:30
S205	68	("20020116464" "20040255126" "20060072547" "20060093135" "20060153342" "20080056302" "20120099599" "20120227101" "5469497" "5608786" "5712907" "5838682" "5905736" "5930343" "5991291" "6005926" "20120170574" "20040203582" "20050287979" "20070047548" "20080167019" "20080167020" "20080187122" "20100177671" "20110201321" "6993015" "7400881" "7573982" "7738384" "8041022" "8189568" "8437340" "8462915" "8605714" "8750290" "7587036" "20140349602" "8111690" "8713098" "20090213839" "20100083364" "20100115018" "20110208859" "20110276903" "20110276904" "20110292929" "20120089717" "20130329722" "20140016764" "8078164" "8396445" "8634838" "8903051" "8909556" "8938534" "20050222952" "6636833" "7447707" "7676431" "7765261" "8161078" "8627211" "20020122391" "20060160565" "20060177035" "20060209768" "20080037715" "5146491").pn.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:04
S206	7	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:08
S208	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:08
S209	19	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:09
S210	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:09
S211	9	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:10

S212	25	S206 S208 S209 S210 S211	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:10
S213	267,985	(370/310-338,395.\$.\$ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S214	9,728	S213 and ((location\$4 GPS) AND (ID identificat\$4)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S215	1	S212 and ((location\$4 GPS) AND (ID identificat\$4)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S216	3	S212 and ((location\$4 GPS) AND (ID identificat\$4 key flag\$4 number digit)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:13
S217	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 14:14
S218	22	(US-20070281705-\$ or US- 20130028251-\$ or US-20090252159- \$ or US-20080049732-\$ or US- 20070121590-\$ or US-20040042607- \$ or US-20040022237-\$ or US- 20030114139-\$ or US-20030095542- \$ or US-20030114145-\$ or US- 20070112964-\$ or US-20060189337- \$ or US-20080056235-\$ or US- 20040205211-\$ or US-20020122391- \$).did. or (US-7068684-\$ or US- 6963635-\$ or US-7079526-\$ or US- 6016319-\$ or US-6674745-\$ or US- 5454030-\$).did. or (WO- 2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 15:24
S219	20	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US- 6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 16:15
S220	22	(US-20070281705-\$ or US- 20090252159-\$ or US-20130028251- \$ or US-20040042607-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 16:15

		20080049732-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S221	21	S220 and (locat\$4 GPS)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:15
S222	17	S220 and (locat\$4 GPS) AND (ID identificat\$4 key\$4 flag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S223	13	S220 and (locat\$4 GPS) SAME (ID identificat\$4 key\$4 flag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S224	13	S220 and (locat\$4 GPS) SAME (ID identificat\$4 key\$4 flag\$4) AND (mobile wireless cellular portable)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S225	10	S220 and (locat\$4 GPS) SAME (ID identificat\$4 key\$4 flag\$4) SAME (mobile wireless cellular portable)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S226	10	S220 and (locat\$4 GPS) SAME (ID identificat\$4 key\$4 flag\$4) SAME (mobile wireless cellular portable) AND (server\$4 router\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:17
S227	9	S220 and (locat\$4 GPS) SAME (ID identificat\$4 key\$4 flag\$4) SAME	US-PGPUB; USPAT;	OR	OFF	2015/11/09 16:17

		(mobile wireless cellular portable) SAME (server\$4 router\$3)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S228	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:28
S230	4,816	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/09 16:29
S231	5,819	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:31
S233	5,844	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:32
S235	27	S230 AND (plac\$3 WITH VOIP same call\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:33
S236	56	(S230 S231 S233) AND (plac\$3 WITH VOIP same call\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:19
S237	48	(S230 S231 S233) AND (plac\$3 SAME (wireless mobile cellular) WITH VOIP same call\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:20
S238	63	(S230 S231 S233) AND (plac\$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2015/11/09 17:20

			DERWENT; IBM_TDB			
S239	2	(US-20040022237-\$ or US-20080056235-\$).did.	US-PGPUB	OR	OFF	2015/11/09 17:34
S240	28	(S230 S231 S233) AND (plac\$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call\$3 AND (SMS short adj2 messag\$4 adj2 serv\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:35
S241	4,816	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/09 19:23
S242	5,819	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S243	5,844	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S244	976	(S241 S242 S243) AND (SMS short adj2 messag\$4 adj2 servic\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S245	397	(S241 S242 S243) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag\$4 adj2 servic\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:24
S246	259	(S241 S242 S243) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag\$4 adj2 servic\$3) AND server and controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:25
S247	29	(S241 S242 S243) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag\$4 adj2 servic\$3) AND server	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2015/11/09 19:26

		and controller and (location adj2 ID location adj2 identif\$5))	DERWENT; IBM_TDB			
S248	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:35
S249	1	S248 and (receiv\$\$ SAME user SAME identifier SAME destination)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:36
S250	1	S248 and (receiv\$\$ SAME user SAME identifier)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:36
S251	20	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:07
S252	252,985	((H04L29/06027 OR H04L29/06 OR H04L29/1216 OR H04L61/157 OR H04L65/1069 OR H04L12/4608 OR H04L12/66 OR H04L29/12122 OR H04L61/1547 OR H04L65/1026 OR H04L65/103 OR H04L65/1036 OR H04L65/104 OR H04L67/14 OR H04L69/329 OR H04L12/1813 OR H04L12/5695 OR H04L12/6418 OR H04L2012/5626 OR H04L2012/563 OR H04L2012/5645 OR H04L2012/5667 OR H04L2012/5668 OR H04L2012/6472 OR H04L29/12094 OR H04L29/12584 OR H04L29/12896 OR H04L29/12933 OR H04L47/724 OR H04L47/803 OR H04L47/805 OR H04L61/1529 OR H04L61/2015 OR H04L61/2596 OR	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:25

	H04L61/605 OR H04L61/6068 OR H04L63/061 OR H04L63/0823 OR H04L63/126 OR H04L63/164 OR H04L65/1003 OR H04L65/1006 OR H04L65/1009 OR H04L65/1013 OR H04L65/1043 OR H04L65/1046 OR H04L65/1083 OR H04L65/1096 OR H04L65/4007 OR H04L65/403 OR H04L65/604 OR H04L65/605 OR H04L67/02 OR H04L67/04 OR H04L67/24 OR H04L67/34 OR H04L67/40 OR H04L69/08 OR H04M15/00 OR H04M7/006 OR H04M7/009 OR H04M11/066 OR H04M15/06 OR H04M15/08 OR H04M15/41 OR H04M15/43 OR H04M15/48 OR H04M15/56 OR H04M15/63 OR H04M15/68 OR H04M15/745 OR H04M15/8292 OR H04M1/2473 OR H04M1/2535 OR H04M2203/2022 OR H04M2203/4536 OR H04M2207/12 OR H04M2207/18 OR H04M2207/20 OR H04M2215/0108 OR H04M2215/0156 OR H04M2215/0164 OR H04M2215/0168 OR H04M2215/0196 OR H04M2215/202 OR H04M2215/62 OR H04M2215/68 OR H04M2242/14 OR H04M3/20 OR H04M3/42 OR H04M3/42008 OR H04M3/42042 OR H04M3/42068 OR H04M3/4228 OR H04M3/42314 OR H04M3/42348 OR H04M3/42365 OR H04M3/523 OR H04M3/53325 OR H04M3/545 OR H04M3/567 OR H04M7/00 OR H04M7/0021 OR H04M7/0057 OR H04M7/123 OR H04M7/1245 OR H04M7/125 OR H04M7/1255 OR H04M7/126 OR H04M7/128 OR H04M7/1285 OR H04Q3/0025 OR H04Q3/0045 OR H04Q11/0478 OR H04Q2213/13098 OR H04Q2213/1324 OR H04Q2213/13288 OR G06Q20/3674 OR H04H60/43 OR H04H60/51 OR H04H60/91 OR H04N21/2665 OR H04N21/4126 OR H04N21/42203 OR H04N21/6581 OR H04N21/6582 OR H04N7/17318 OR H04W28/16 OR H04W4/06 OR H04W4/10 OR H04W4/22 OR H04W60/04 OR H04W76/005 OR H04W76/007 OR H04W76/02 OR H04W76/021 OR				
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		H04W76/025 OR H04W80/00 OR H04W80/04 OR H04W84/005 OR H04W88/08 OR H04W8/02 OR H04W8/085 OR Y10S379/90).CPC.)				
S253	1	"14035806"	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:26
S254	6,639	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:45
S255	268,033	(370/310-338,395\$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/29 23:32
S256	4,832	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/29 23:32
S257	5,881	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S258	5,933	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S259	29	(S256 S257 S258) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag\$4 adj2 servic\$3) AND server and controller and (location adj2 ID location adj2 identif\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S260	265	(S254 S255) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag\$4 adj2 servic\$3) AND server and controller and (location adj2 ID location adj2 identif\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33
S261	95	(S254 S255) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag\$4 adj2 servic\$3) AND server and controller and (location adj2 ID location adj2 identif\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33

S262	25	(S254 S255) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag\$4 adj2 servic\$3) AND server SAME (location adj2 ID location adj2 identif\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33
S263	4	(S254 S255) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag\$4 adj2 servic\$3) SAME server SAME (location adj2 ID location adj2 identif\$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:34
S264	6,575	(reply with mobile) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S265	2,208	(reply with mobile same server) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S266	168	(reply with mobile same server same sms) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S267	35	(reply with mobile same server same sms same gateway) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:58
S268	25	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 02:11
S269	12	S268 and SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:11
S270	12	S268 and (SMS same server\$3)	US-PGPUB; USPAT; FPRS; EPO;	OR	OFF	2015/11/30 02:12

			JPO; DERWENT; IBM_TDB			
S271	1	S268 and (SMS same server\$3 same locat\$4 NEAR5 (ID address identificat\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:12
S272	25	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 09:34
S273	12	S272 and (SMS same server\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:34
S274	5	S272 and (SMS same server\$3 SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:38
S275	5	"20080101370"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:42
S276	26	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 09:47

		\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S277	6	S276 and (SMS SAME server SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:47
S278	8	S276 and (SMS SAME server SAME3 (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 10:08
S279	17	S276 and ((ID identification key flag address) SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:00
S280	15	S276 and ((ID identification key flag address) SAME (location GPS) SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:01
S281	11	S276 and ((transmit\$4 send\$4) SAME (ID identification key flag address) SAME (location GPS) SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:03
S282	3	S276 and ((transmit\$4 send\$4) SAME (ID identification key flag address) WITH (location GPS) WITH server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:11
S283	2	(US-20080160953-\$ or US-20080056235-\$).did.	US-PGPUB	OR	OFF	2015/11/30 12:07

S284	2	S283 and (SMS SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 12:07
S285	2	S283 and (location SAME channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 12:25
S286	1	"14035806"	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 12:59
S287	0	S283 and (poll)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:04
S288	1	S283 and (poll multiple)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:05
S289	2	S283 and (local and call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:07
S290	2	S283 and (local SAME call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:07
S291	2	S283 and (IP SAME address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:09
S292	0	S283 and (time with out)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2015/11/30 14:20

			DERWENT; IBM_TDB			
S293	0	S283 and (expired)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:21
S294	1	S283 and (expired out)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:21
S295	26	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US- 20080125146-\$ or US-20070156909- \$ or US-20080101370-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US- 6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/02 22:35
S296	2	(US-20080056235-\$ or US- 20080160953-\$).did.	US-PGPUB	OR	OFF	2016/01/02 22:36
S297	0	S296 and (destinat\$4 ID key flag identificat\$4) and (location adj2 ID) and channel\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/02 22:37
S298	0	S296 and (destinat\$4 SAME (ID key flag identificat\$4) SAME (location adj2 ID) and channel\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/02 22:37
S299	1	S296 and (destinat\$4 SAME (ID key flag identificat\$4) SAME channel\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2016/01/02 22:38

			DERWENT; IBM_TDB			
S300	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	OFF	2016/01/03 18:45
S301	1	S300 and (destinat\$ flag identificat\$4) SAME channel\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/03 18:45
S302	26	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/06 12:00
S303	2	"13710282"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 17:24
S304	1	S303 and (similar SAME power\$4 same sav\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 17:25
S305	1	S303 and (similar NEAR10 power\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 18:18
S306	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	OFF	2016/01/06 21:55

S307	26	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/07 14:24
S308	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	OFF	2016/01/07 14:24
S309	1	"14035806"	US-PGPUB; USPAT	OR	OFF	2016/01/07 15:02
S310	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	OFF	2016/01/07 15:03
S311	26	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/07 15:03
S312	1	S310 and ((channel\$4 tunnel\$4 frequenc\$4) WITH (ID identificat\$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:04
S313	2	S310 and ((channel\$4 tunnel\$4 frequenc\$4) SAME (ID identificat\$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2016/01/07 15:04

			DERWENT; IBM_TDB			
S314	1	S310 and ((channel\$4 tunnel\$4 frequenc\$4) NEAR10 (ID identificat\$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:35
S315	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	OFF	2016/01/07 15:35
S316	1	S315 and (destinat\$4 \$ SAME (ID key flag identificat\$4) SAME channel\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:35
S317	2	S315 and (channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 16:18
S319	2	S315 and (channel and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 18:15
S320	5,569	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2016/10/17 13:25
S321	8,486	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/10/17 13:25
S322	8,300	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/10/17 13:25
S323	46	(S320 S321 S322) AND ((VoIP vo\$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag\$4 adj2 servic\$3) AND server	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2016/10/17 13:25

		and controller and (location adj2 ID location adj2 identif\$5))	DERWENT; IBM_TDB			
S324	8	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S325	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S326	22	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S327	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2016/10/17 13:25
S328	10	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S329	29	S324 S325 S326 S327 S328	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S330	1	S329 and ((location\$4 GPS) AND (ID identificat\$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/10/17 13:25
S331	313,876	(370/310-338,395.\$.\$ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S332	28	S331 and ((caller 'calling party')same (callee 'called party') same access same code same request same call\$4 same server same rout\$5 same (channel or (ID identifier identificat\$5)))	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S333	268,664	(370/310-338,395.\$.\$ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S334	1	S333 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S335	506,306	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/10/17 13:26
S336	12	S335 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5) and (indentifier ID identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/10/17 13:26
S337	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	ON	2016/10/17 13:55

S338	2	S337 and (database list table log) WITH (locat\$4 GPS)	US-PGPUB	OR	ON	2016/10/17 14:12
S339	2	S337 and (database list table log) WITH (locat\$4 GPS) AND (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S340	0	S337 and (database list table log) WITH (locat\$4 GPS) WITH (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S341	2	S337 and (database list table log) WITH (locat\$4 GPS) SAME (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S342	2	S337 and (database list table log) WITH (locat\$4 GPS) SAME (IP internet adj2 protocol) and location	US-PGPUB	OR	ON	2016/10/17 14:45
S343	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 14:32
S344	26	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2016/11/15 15:00
S345	6	cn adj2 "102307082"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 15:52
S346	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 16:54
S347	1	(US-20080056235-\$).did.	US-PGPUB	OR	ON	2016/11/15 19:52
S348	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	ON	2016/11/15 19:53

S349	2	S348 AND (locat\$5 GPS) WITH (ID key identification flag\$4)	US-PGPUB	OR	ON	2016/11/15 19:54
S350	2	S348 AND (locat\$5 GPS) WITH (ID key identification flag\$4) AND (ID key identification flag\$4)	US-PGPUB	OR	ON	2016/11/15 19:55
S351	2	(US-20080056235-\$ or US-20080160953-\$).did.	US-PGPUB	OR	ON	2016/11/15 20:58
S352	2	S351 AND (locat\$5 GPS) WITH (ID key identification flag\$4) AND (ID key identification flag\$4)	US-PGPUB	OR	ON	2016/11/15 20:58
S353	432	((Access NEAR5 server) AND (location\$4 GPS) SAME (destinat\$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB	OR	ON	2016/11/15 21:57
S354	752	((Access NEAR5 server) AND (location\$4 GPS) SAME (destinat\$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S355	402	((Access NEAR5 server) AND (location\$4 GPS) WITH (destinat\$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S356	11	((Access NEAR5 server) SAME (location\$4 GPS) WITH (destinat\$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S357	97	((request\$4 NEAR5 (messag\$4 packet frame PDU data adj2 unit)) SAME (location\$4 GPS) WITH (destinat\$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:00
S358	19	((request\$4 NEAR5 (messag\$4 packet frame PDU data adj2 unit)) SAME (location\$4 GPS) WITH (destinat\$4 NEAR5 ID) SAME (server)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:01
S359	43	((request\$4 SAME (messag\$4 packet frame PDU data adj2 unit)) SAME (location\$4 GPS) SAME (destinat\$4 NEAR5 ID) SAME (server) SAME (channel\$4 path\$4 rout\$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:42
S360	29	((JOHAN) near2 (BJORSELL)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58

S361	14	((MAKSYM) near2 (SOBOLYEV)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S362	8	((PENTTI) near2 (HUTTUNEN)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S363	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S364	34	S360 or S361 or S362 or S363	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S365	313,893	(370/310-338,395.\$ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S366	27	S365 and ((caller 'calling party')same (callee 'called party') same access same code same request same call\$4 same server same rout\$5 same (channel or (ID identifier identificat\$5)))	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S367	268,678	(370/310-338,395.\$ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S368	1	S367 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S369	45	((request\$4 SAME (messag\$4 packet frame PDU data adj2 unit)) SAME (location\$4 GPS) SAME (destinat\$4 NEAR5 ID) SAME (server) SAME (channel\$4 path\$4 rout\$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 11:59
S370	400,075	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S371	8	S370 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S372	8	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S373	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S374	29	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S375	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S376	14	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59

S377	36	S372 S373 S374 S375 S376	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S378	1	S377 and ((location\$4 GPS) AND (ID identificat\$4)).clm.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S379	528,836	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 12:00
S380	12	S379 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 12:00
S381	11	((Access NEAR5 server) SAME (location\$4 GPS) WITH (destinat\$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 12:00
S382	13	("20020150080" "20060195584" "20070121590" "20070121602" "20170104868" "20170111265" "20170126752" "20170142256" "576852106" "6947531" "7477843" "9537762" "9549071" "9565307").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S383	4	("20030043974" "20050069097" "6434143" "7774711").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S384	1	("7174156").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S385	24	("20020057764" "20050007999" "20060109960" "20060233317" "20070036139" "20070064919" "20090238168" "20100002701" "20150327320" "20150358470" "20160006882" "20160028619" "4747124" "5742596" "5991378" "6603977" "6961334" "7042985" "7218722" "7366157" "7486684" "8036366" "8594298" "9179005").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S386	24	("20020057764" "20050007999" "20060109960" "20060233317" "20070036139" "20070064919" "20090238168" "20100002701" "20150327320" "20150358470" "20160006882" "20160028619"	US-PGPUB; USPAT	OR	ON	2017/08/21 13:08

		"4747124" "5742596" "5991378" "6603977" "6961334" "7042985" "7218722" "7366157" "7486684" "8036366" "8594298" "9179005").PN.				
S387	43	("20050131813" "20050171898" "20050192897" "20050192901" "20050222952" "20050267842" "20060006224" "20060036522" "20060095320" "20060116892" "20060195398" "20070016524" "20140141884" "5677955" "5883810" "6173272" "6243689" "6636833" "6772188" "6892184" "7051072" "7330835" "7426492" "7437665" "7447707" "7580886" "7593884" "7599944" "7644037" "7647500" "7676431" "7680737" "7734544" "7765261" "7765266" "7882011" "7899742" "8060887" "8161078" "8200575" "8543477" "8627211" "8702505").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:08
S388	71	("20070053382" "20090213839" "20100083364" "20100114896" "20100115018" "20100142382" "20100220852" "20100233991" "20100278534" "20100316195" "20110072095" "20110167164" "20110208859" "20110235543" "20110273526" "20110276903" "20110276904" "20110292929" "20120089717" "20120096145" "20120155333" "20120195236" "20120259975" "20120270554" "20130039226" "20130097308" "20130128879" "20130148549" "20130173534" "20130229950" "20130287006" "20130310002" "20130318166" "20130329722" "20130329864" "20140010119" "20140016764" "20140153477" "20140215642" "20140307858" "20140321333" "6327351" "7203478" "7958233" "8078164" "8127005" "8166547" "8190739" "8223927" "8300632" "8315521" "8396445" "8526306" "8599747" "8599837" "8634838" "8774378" "8819566" "8848887" "8862701" "8885609" "8903051" "8903360" "8909556" "8938209" "8938534"	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09

		"8948061" "8972612" "8982719" "8995428" "9003306").PN.				
S389	6	("20070217354" "5917899" "6005870" "6597783" "6873599" "7010727").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S390	54	("0000029" "0000030" "0000031" "0000032" "0000033" "0000034" "0000035" "0000036" "0000037" "0000038" "0000039" "0000040" "0000041" "20010027478" "20110255553" "20110261717" "20130223276" "20130237198" "20130254301" "20130272297" "20130281147" "20140220944" "20140227962" "20140244393" "20140247730" "20140269624" "20140324969" "20140337961" "20140349602" "6937713" "8111690" "8219115" "8228837" "8243730" "8275404" "8364172" "8410907" "8417791" "8423791" "8468196" "8493931" "8532075" "8682919" "8713098" "8749610" "8767717" "8774721" "8780703" "8792374" "8792905" "8805345" "8810392" "8837360" "8838539").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S391	7	("6445694" "6574328" "6785266" "7486664" "7512117" "7587036" "7764777").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S392	141	("20010052081" "20020002041" "20020018445" "20020141352" "20030012196" "20030095539" "20030179747" "20030219103" "20040034793" "20040203565" "20040203582" "20050063519" "20050188081" "20050190892" "20050202799" "20050287979" "20060007940" "20060013266" "20060030290" "20060078094" "20060142011" "20060146797" "20060189303" "20060205383" "20060248186" "20060251056" "20060268921" "20060281437" "20070047548" "20070092070" "20070115935" "20070121593" "20070174469" "20070220038" "20070253429" "20070263609" "20070297376" "20080013523" "20080056243" "20080166999" "20080167019" "20080167020"	US-PGPUB; USPAT	OR	ON	2017/08/21 13:10

		"20080167039" "20080187122" "20080188198" "20080188227" "20080205378" "20080310599" "20090003535" "20090129566" "20090135724" "20090214000" "20090268615" "20090296900" "20100008345" "20100039946" "20100105379" "20100177671" "20100246589" "20100272242" "20110013541" "20110153809" "20110176541" "20110201321" "20110267986" "20120014383" "20120113981" "20120195415" "20120250624" "20120282881" "20120314699" "20130272297" "20140101749" "20140211789" "5325421" "6553025" "6560224" "6650641" "6775534" "6934279" "6963739" "6985440" "6993015" "7006508" "7027564" "7068668" "7151772" "7177399" "7277528" "7400881" "7436835" "7440442" "7486667" "7567131" "7573982" "7593390" "7639792" "7657011" "7664495" "7676215" "7680114" "7702308" "7715821" "7738384" "7764944" "7797459" "7894441" "7907551" "7929955" "7944909" "7965645" "7979529" "7995589" "8024785" "8027333" "8041022" "8050273" "8125982" "8145182" "8166533" "8189568" "8204044" "8228897" "8244204" "8306063" "8363647" "8427981" "8437340" "8462915" "8509225" "8605714" "8605869" "8607323" "8611354" "8625578" "8724643" "8750290" "8763081" "8768951" "8774171" "8804705").PN.				
S393	14	("20050198499" "20100150138" "20100150328" "20100172345" "20110122827" "20120170574" "5719926" "5722067" "5915093" "6029062" "6249573" "7454200" "8630234" "8675566").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:10
S394	137	("20020051518" "20020116464" "20020122391" "20030200311" "20030219103" "20040022237" "20040157629" "20040165709" "20040181599" "20040202295" "20040240439" "20040255126" "20050025043" "20050083911"	US-PGPUB; USPAT	OR	ON	2017/08/21 13:11

		"20050094651" "20050169248" "20050174937" "20050177843" "20060072547" "20060072550" "20060093135" "20060111116" "20060153342" "20060160565" "20060177035" "20060209768" "20060258328" "20060264200" "20070036143" "20070112964" "20070127676" "20070253418" "20080037715" "20080056235" "20080056302" "20080063153" "20090028146" "20090135735" "20090141883" "20090292539" "20090325558" "20100086119" "20100128729" "20120099599" "20120227101" "20130114589" "4916491" "4992971" "5146491" "5247571" "5303297" "5359642" "5425085" "5440621" "5454030" "5469497" "5506893" "5519769" "5559871" "5590133" "5608786" "5621787" "5633913" "5661790" "5712907" "5724355" "5726984" "5737414" "5751961" "5793762" "5799072" "5802502" "5825863" "5828740" "5838682" "5845267" "5850433" "5864610" "5867495" "5883891" "5889774" "5905736" "5907547" "5910946" "5915005" "5923659" "5930343" "5937045" "5940598" "5953504" "5956391" "5970477" "5974043" "5991291" "6005926" "6014379" "6021126" "6052445" "6058300" "6069890" "6073013" "6078647" "6104704" "6104711" "6115737" "6128304" "6137869" "6141404" "6151385" "6188752" "6282574" "6298062" "6351464" "6359880" "6430275" "6507644" "6597686" "6674745" "6724860" "6744858" "6766159" "6798767" "6819929" "6954453" "6963557" "7046658" "7055174" "7068772" "7079526" "7120682" "7212522" "7454510" "7950046" "8116307" "8422507" "8537805" "8542815").PN.				
S395	513	S382 S383 S384 S385 S386 S387 S388 S389 S390 S391 S392 S393 S394	US-PGPUB; USPAT	OR	ON	2017/08/21 13:11
S396	21	S395 AND ((receiv\$3 or accept\$3 or obtain\$3 or recover\$3 or retriev\$3 or	US-PGPUB; USPAT;	OR	ON	2017/08/21 13:45

		acquir\$3 or acquisition) SAME (respons\$3 or respond\$3 or react\$3 or feed\$3back\$3 or (feed\$3 adj3 back) or behaviour or behavior reply\$3 return\$3 acknowledgment\$1 answer\$1) SAME (server\$4 webserver\$4 gate\$1way system\$4 proxy\$4 computer) SAME (location\$4 GPS position\$4 origin\$4 region\$4 site coordinat\$4) NEAR5 (ID identification key flag\$4 tagg\$4 badge\$4))	FPRS; EPO; JPO; IBM_TDB			
S397	12	S395 AND ((receiv\$3 or accept\$3 or obtain\$3 or recover\$3 or retriev\$3 or acquir\$3 or acquisition) SAME (respons\$3 or respond\$3 or react\$3 or feed\$3back\$3 or (feed\$3 adj3 back) or behaviour or behavior reply\$3 return\$3 acknowledgment\$1 answer\$1) SAME (server\$4 webserver\$4 gate\$1way system\$4 proxy\$4 computer) SAME (location\$4 GPS position\$4 origin\$4 region\$4 site coordinat\$4) NEAR5 (ID identification key flag\$4 tagg\$4 badge\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 13:45
S398	2	(US-20090017842-\$ or US-20060109960-\$).did.	US-PGPUB	OR	ON	2017/08/21 14:47
S399	2	S398 and (wifi wi\$1fi wireless cellular)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 14:47
S401	11	"9179005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/29 23:45
S402	2	(US-20090017842-\$ or US-20060109960-\$).did.	US-PGPUB	OR	ON	2017/11/30 01:18
S403	3	(US-20080056235-\$ or US-20090017842-\$ or US-20060109960-\$).did.	US-PGPUB	OR	ON	2017/11/30 01:19
S404	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2017/11/30 01:40

			DERWENT; IBM_TDB			
S405	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:29
S406	3	(US-20080056235-\$ or US- 20090017842-\$ or US-20060109960- \$).did.	US-PGPUB	OR	ON	2017/11/30 14:49
S407	1	S406 and (connect\$4 join\$4 link\$4 fasten\$4 connector\$4 hitch\$4) AND (IP internet\$4 adj2 protocol\$4) NEAR5 address\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 14:58
S408	1	S406 and (connect\$4 join\$4 link\$4 fasten\$4 connector\$4 hitch\$4) AND (IP internet\$4 adj2 protocol\$4) WITH address\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 14:59
S409	3	(US-20080056235-\$ or US- 20090017842-\$ or US-20060109960- \$).did.	US-PGPUB	OR	ON	2017/11/30 16:04
S410	3	S409 and (connect\$4 join\$4 link\$4 fasten\$4 connector\$4 hitch\$4) WITH (mobile user adj2 equipment UE mobile adj2 device)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 16:04
S411	1	(US-20080056235-\$).did.	US-PGPUB	OR	ON	2018/01/16 14:53
S412	29	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US- 20080125146-\$ or US-20070156909- \$ or US-20080101370-\$ or US- 20140016635-\$ or US-20090017842- \$ or US-20060109960-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2018/01/16 14:53

		6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S413	0	S411 and (reply echo packet\$4 frame\$4 (data adj2 unit) ack acknowlegment\$4 feedback\$4 feed\$1back\$4 feed adj2 back\$4) WITH (IP NEAR10 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:54
S414	0	S411 and (reply echo packet\$4 frame\$4 (data adj2 unit) ack acknowlegment\$4 feedback\$4 feed\$1back\$4 feed adj2 back\$4 return\$4 answer\$4) WITH ((internet IP) NEAR10 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:56
S415	1	S411 and (reply echo packet\$4 frame\$4 (data adj2 unit) ack acknowlegment\$4 feedback\$4 feed\$1back\$4 feed adj2 back\$4 return\$4 answer\$4) SAME ((internet IP) NEAR10 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:56
S416	11	S412 and (reply echo packet\$4 frame\$4 (data adj2 unit) ack acknowlegment\$4 feedback\$4 feed\$1back\$4 feed adj2 back\$4 return\$4 answer\$4) SAME ((internet IP) NEAR10 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:33
S417	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:40
S418	29,261	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:52
S419	56	S418 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:55
S420	9	S418 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND (@AD <"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2018/01/16 15:56

			DERWENT; IBM_TDB			
S421	15	S418 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND ((@ad OR @pd OR @rlad OR @ prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:56
S422	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/01/24 19:29
S423	0	S422 and (replay\$4 echo adj2 back\$4) WITH(ip near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S424	0	S422 and (replay\$4 echo adj2 back\$4) WITH (ip near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S425	14	S422 and (ip near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S426	5	S422 and (ip near5 address\$4) and (SMS)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2018/01/24 19:39

			DERWENT; IBM_TDB			
S427	5	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/25 13:28
S428	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:33
S429	268,665	(370/310-338,395\$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S430	1	S429 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S431	28,075	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S432	541,465	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S433	12	S432 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5) and (identifier ID identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S434	400,071	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S435	8	S434 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S436	16,903	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2018/06/27 22:35

			DERWENT; IBM_TDB			
S437	13	S436 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND ((@ad OR @pd OR @rlad OR @ prad OR @ptad) < "20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S438	7	S436 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND (@AD < "20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S439	13	S436 AND (IP NEAR5 address) WITH (location\$4 gps\$4 geographical\$4) NEAR5 (ID identification\$4 key\$4 flag\$4) AND ((@ad OR @pd OR @rlad OR @ prad OR @ptad) < "20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S440	6,917	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2018/06/27 22:36
S441	4,410	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S442	4,889	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S443	44	(S440 S441 S442) AND (plac\$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S444	0	((("BjÃ¶rnsell") near3 ("Johan") near3 ("Emil") near3 ("Viktor"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:36
S445	15	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37

S446	8	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S447	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S448	8	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	OFF	2018/06/27 22:37
S449	14	((("VOIP-PAL.COM")).AS,AANM.	US-PGPUB; USPAT	OR	OFF	2018/06/27 22:38
S450	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:38
S451	0	(S444 S445 S446 S447 S448 S449 S450) AND (IP NEAR2 address\$4 AND access ADJ2 code\$3 AND (ID identification key location geographical) AND gateway).clm.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:41
S452	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2018/06/27 23:10
S453	13	S452 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11
S454	6	S452 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11

S455	2	S452 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:12
S456	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:12
S457	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/08/07 22:33
S458	7	S457 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:37
S459	6	S457 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:38
S460	6	S457 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:40

		SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")				
S461	4	(US-20080056235-\$ or US-20080160953-\$ or US-20090017842-\$ or US-20060109960-\$).did.	US-PGPUB	OR	ON	2018/08/07 22:42
S462	0	S461 and ((desination\$4 WITH connect\$4 with channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:43
S463	0	S461 and ((desination\$4 SAME connect\$4 SAME channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
S464	0	S461 and ((desination\$4 AND connect\$4 SAME channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
S465	1	S461 and ((destination\$4 AND connect\$4 SAME channel\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
S466	23,710	((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 22:55
S467	33	((request\$4 packet\$4 frame\$4 data adj3 unit demand\$4 query\$4 seek\$4) WITH (location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 22:57

		PIN code\$4 tag\$4 password\$4) WITH (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4) WITH reply\$4) AND (@AD <"20080728")				
S468	31	((request\$4 packet\$4 frame\$4 data adj3 unit demand\$4 query\$4 seek\$4) WITH (location\$4 gps station\$4 office\$4 site\$4 position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) WITH (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4) WITH reply\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 23:09
S469	29	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US- 20080125146-\$ or US-20070156909- \$ or US-20080101370-\$ or US- 20140016635-\$ or US-20090017842- \$ or US-20060109960-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US- 6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/08/08 11:58
S470	6	S469 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 11:58

S471	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/08/09 10:45
S472	6	S471 and ((location\$4 gps station\$4 office\$4 site\$4 place places position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) WITH (ID identificat\$4 key flag\$4 PIN code\$4 tag\$4 password\$4) SAME (server\$4 proxy\$4 gateway\$4 computer\$4 process\$4 processor\$4 fileserver\$4 webserver\$4 system\$4 timeserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 10:45
S473	1	(US-20030114145-\$).did.	US-PGPUB	OR	ON	2018/08/09 10:47
S478	1	S473 and (gps location\$4 geograph\$4) and server\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 10:49
S479	0	S473 and (gps location\$4 geograph\$4) and server\$4 and reply\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 10:49
S480	1	S473 and (gps location\$4 geograph\$4) and server\$4 and (reply\$4 request\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 10:49

S481	2	(US-20080056235-\$ or US-20030114145-\$).did.	US-PGPUB	OR	ON	2018/08/13 15:27
S482	1	S481 and (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4) SAME (location\$4 gps geograph\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:32
S483	1	S481 and (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4) AND (location\$4 gps geograph\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:32
S484	1	S481 and (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4) AND (location\$4 gps geograph\$6)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:33
S486	1	S481 AND (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:35
S487	2	S481 AND (reply\$4 echo\$4 feedback\$4 ack acknowledg\$4 messag\$4 packet\$4 data adj2 unit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/13 15:35
S488	2	(US-20080056235-\$ or US-20030114145-\$).did.	US-PGPUB	OR	ON	2018/12/18 12:05
S492	1	14/035806.app.	US-PGPUB	OR	ON	2018/12/18 12:22
S493	1	S488 and (wireless\$4 and VOIP)	US-PGPUB	OR	ON	2018/12/18 12:23
S494	2	S488 and (wireless\$4 and location\$4)	US-PGPUB	OR	ON	2018/12/18 12:23
S495	2	S488 and (wireless\$4 and (location\$4 gps))	US-PGPUB	OR	ON	2018/12/18 12:23
S496	2	S488 and (wireless\$4 and (location\$4 gps) and (id identification key flag))	US-PGPUB	OR	ON	2018/12/18 12:23
S498	9	"41610774".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/06/10 02:55

S499	0	((("BjÄrnsell") near3 ("Johan") near3 ("Emil") near3 ("Viktor"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S500	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S501	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S502	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2019/06/10 03:00
S503	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	OFF	2019/06/10 03:00
S504	19	((("VOIP-PAL.COM")).AS,AANM.	US-PGPUB; USPAT	OR	OFF	2019/06/10 03:00
S505	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2019/06/10 03:00
S506	0	(S499 S500 S501 S502 S503 S504 S505) AND (IP NEAR2 address\$4 AND access ADJ2 code\$3 AND (ID identification key location geographical) AND gateway).clm.	US-PGPUB; USPAT	OR	ON	2019/06/10 03:00
S507	29	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2019/06/10 03:00
S508	2	S507 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/06/10 03:00

S509	39,324	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 03:00
S510	555	S509 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/06/10 03:00
S511	0	S510 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) SAME (access\$4 NEAR5 code\$4) SAME (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/06/10 03:01
S512	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 13:48
S513	31	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/06/10 14:00
S515	39,298	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 14:00

S517	25,768	(access\$4) NEAR5 (request\$4 demand\$4 inquiry\$4 appeal\$4) WITH (server\$4 gateway\$4 router\$4) SAME (WD UE TE TA mobile terminal WTRU)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:04
S518	13	((wireless adj2 (device equipment terminal phone iphone)) NEAR10 (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) SAME (access\$4 NEAR5 code\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:05
S519	1	S513 AND (access\$4) NEAR5 (request\$4 demand\$4 inquiry\$4 appeal\$4) WITH (server\$4 gateway\$4 router\$4) SAME (WD UE TE TA mobile terminal WTRU)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:05
S520	25,768	(access\$4) NEAR5 (request\$4 demand\$4 inquiry\$4 appeal\$4) WITH (server\$4 gateway\$4 router\$4) SAME (WD UE TE TA mobile terminal WTRU)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:06
S521	174	((wireless adj2 (device equipment terminal phone iphone)) SAME (location\$4 geographical\$4) SAME (ID key\$4 identificat\$4) SAME (access\$4 NEAR5 code\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2019/06/10 14:06
S522	7	S517 and S521	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 14:08
S523	4	S522 AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/06/10 14:10
S524	8,115	((user UE terminal WTRU TE TA user adj2 equipment station) NEAR5 (location\$4 gps site\$4 position latitude\$4 coordinat\$4) WITH (destination\$4 deliver\$4 receiver\$4) SAME (server\$3 proxy\$3 gateway\$1 webserver\$4 cloud\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/07/29 22:04
S525	15,234	((user UE terminal WTRU TE TA user adj2 equipment station) NEAR5 (location\$4 gps site\$4 position latitude\$4 coordinat\$4) SAME	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/07/29 22:05

		(destination\$4 deliver\$4 receiver\$4) SAME (server\$3 proxy\$3 gateway\$1 webserver\$4 cloud\$4)) AND (@AD <"20080728")	DERWENT; IBM_TDB			
S526	32	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US- 20080125146-\$ or US-20070156909- \$ or US-20080101370-\$ or US- 20140016635-\$ or US-20090017842- \$ or US-20060109960-\$ or US- 20080255944-\$ or US-20060077983- \$ or US-20080261560-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US- 6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/07/29 22:05
S527	2	(US-20080056235-\$ or US- 20080261560-\$).did.	US-PGPUB	OR	ON	2019/07/29 22:06
S528	2	S527 and (location\$4 GPS) and (user wtru terminal station)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/07/29 22:07
S529	2	"20130109314".PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/07/30 12:51
S530	34	(US-20070281705-\$ or US- 20090252159-\$ or US-20130028251- \$ or US-20040042607-\$ or US- 20080049732-\$ or US-20070121590- \$ or US-20040022237-\$ or US- 20030114139-\$ or US-20030095542- \$ or US-20030114145-\$ or US- 20070112964-\$ or US-20060189337- \$ or US-20080056235-\$ or US- 20040205211-\$ or US-20020122391- \$ or US-20080160953-\$ or US- 20100004005-\$ or US-20090265552- \$ or US-20080125146-\$ or US- 20070156909-\$ or US-20080101370-	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/13 16:07

		\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$).did. or (US-20080261560-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S531	2	(US-20080261560-\$ or US-20080056235-\$).did.	US-PGPUB	OR	ON	2019/08/13 17:22
S532	6	(US-20080261560-\$ or US-20080056235-\$ or US-20080160953-\$ or US-20030114145-\$ or US-20090017842-\$ or US-20060109960-\$).did.	US-PGPUB	OR	ON	2019/08/13 17:22
S533	18	S530 and (access\$4 NEAR2 server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:23
S534	11	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:24
S535	1	S531 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:27
S536	1	S531 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:36
S537	4	S534 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:37

S538	4	S534 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) WITH (location\$4 gsp address site\$1 place\$1 office\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:42
S539	4	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) NEAR5 (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) WITH (location\$4 gsp address site\$1 place\$1 office\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:51
S540	9	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) SAME (location\$4 gsp address site\$1 place\$1 office\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:52
S541	8	S530 and (access\$4 NEAR2 server) and (terminal\$4 User adj2 equipment UE TE TA equipment mobile cellular WTRU) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 receiver\$4) and (reply\$4 respons\$4 feed\$3back\$4 return\$4 acknowledgment\$4 answer\$4) SAME (location\$4 gsp address site\$1 place\$1 office\$3) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 17:53
S542	33	S530 and ((location\$4 gps address facility site\$1 place\$1 office\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:02

S543	21	S530 and ((ID identification key flag\$4) WITH (location\$4 gps address facility site\$1 place\$1 office\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:03
S544	14	S530 and ((ID identification key flag\$4) WITH (location\$4 gps address facility site\$1 place\$1 office\$4) and (access\$4 NEAR2 server\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:03
S545	12	S530 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) NEAR5 (messag\$4 code\$4 packet\$4 frame\$3) AND (ID identification key flag\$4) WITH (location\$4 gps address facility site\$1 place\$1 office\$4) and (access\$4 NEAR2 server\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:04
S546	313,844	(370/310-338,395.\$ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2019/08/13 18:10
S547	43	S546 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) NEAR5 (messag\$4 code\$4 packet\$4 frame\$3) SAME (ID identification key flag\$4) SAME (location\$4 gps site\$1 place\$1 office\$4) SAME (access\$4 NEAR2 server\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:10
S548	43	S546 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) NEAR5 (messag\$4 code\$4 packet\$4 frame\$3) SAME (ID identification key flag\$4) SAME (location\$4 gps site\$1 place\$1 office\$4) SAME (access\$4 NEAR2 server\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:11
S549	8,229	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2019/08/13 18:12
S550	1,156	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/08/13 18:12

S551	1,228	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2019/08/13 18:12
S552	41,274	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 18:12
S553	35,974	S552 S549 S550 S551	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:12
S554	0	S548 and S553	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:13
S555	29	"8402559"	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:36
S556	8	"8402559".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/13 18:36
S557	1	"8402559".pn.	US-PGPUB; USPAT	OR	ON	2019/08/13 18:36
S558	4	"32074773".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/08/13 18:37
S559	70,646	(terminal devic\$1 wtru ue user adj2 equipment) WITH (location\$4 gps site geograph\$5) NEAR6 (id identification key flag\$4)	US-PGPUB; USPAT	OR	ON	2019/08/13 18:39
S560	6,909	(terminal devic\$1 wtru ue user adj2 equipment) WITH (location\$4 gps site geograph\$5) NEAR6 (id identification key flag\$4) and (destination\$4) NEAR5 (phone number identification ID identif\$4)	US-PGPUB; USPAT	OR	ON	2019/08/13 18:40

S561	1,118	(terminal devic\$1 wtru ue user adj2 equipment) WITH (location\$4 gps site geograph\$5) NEAR6 (id identification key flag\$4) and (destination\$4) NEAR5 (phone number identification ID identif\$4) and (access\$4 NEAR2 server\$4) and (reply\$4 respons\$4 feed\$1back feedback\$3 ack acknowledg\$4) NEAR5 (messag\$4 packet\$4 frame\$4)	US-PGPUB; USPAT	OR	ON	2019/08/13 18:41
S562	348	S561 and (path\$4 link\$4 channel\$4) WITH (router\$4 rout\$3 gateway\$3) SAME Access\$4	US-PGPUB; USPAT	OR	ON	2019/08/13 18:43
S563	117	S561 and ((path\$4 link\$4 channel\$4) WITH (router\$4 rout\$3 gateway\$3) SAME Access\$4) AND (@AD <"20080728")	US-PGPUB; USPAT	OR	ON	2019/08/13 18:43
S564	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 19:21
S565	34	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/13 20:18
S566	17	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/13 20:19

		office\$4) and (access\$4 NEAR2 server\$3) and (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4))	DERWENT; IBM_TDB			
S567	12	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 server\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:20
S568	23	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:20
S569	12	S565 and ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:21
S570	31,139	("370" "455" "375" "715" "725" H04W\$/ \$ H04L\$/ \$).clas,cpc. AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps address facility site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4)and (access\$4 NEAR2 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:32
S571	10,309	("370" "455" "375" "715" "725" H04W\$/ \$ H04L\$/ \$).clas,cpc. AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) SAME (location\$4 gps site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4) SAME2 (access\$4 NEAR7 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:34

S572	3,886,202	("370" "455" "375" "715" "725" H04W\$/\$ H04L\$/\$).clas,cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:34
S573	4,311,912	("370" "455" "375" "715" "725" H04W\$/\$ H04L\$/\$ H04B\$/\$).clas,cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:34
S574	8,840	((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) WITH (location\$4 gps site\$1 place\$1 office\$4) SAME (destinat\$4 deliver\$4 arrival\$4 place\$4 site\$3 point\$4) SAME2 (access\$4 NEAR7 (server\$3 server\$4 webserver\$4 computer\$4 lifeserver\$1 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:37
S575	4,311,912	("370".clas. "455".clas. "375".clas. "715".clas. "725".clas. H04W\$/\$.cpc. H04L\$/\$.cpc. H04B\$/\$.cpc.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 20:39
S576	4,277	S574 and S575	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:00
S578	7	S576 AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) WITH (location\$4 gps) SAME (destinat\$4 NEAR4 (ID node identification identi\$4)) SAME (access\$4 NEAR7 (server\$3 webserver\$4 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:02
S579	3	"38821872".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/08/13 21:03
S580	1	S579 AND ((reply\$4 respons\$4 echo\$1back feed\$1back acknowledg\$4) AND (location\$4 gps) SAME (destinat\$4 NEAR6 (ID node identification identi\$4)) AND (access\$4 NEAR7 (server\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:05

		webserver\$4 gateway\$4))) AND (@AD <"20080728")				
S581	1	S579 AND ((location\$4 gps) SAME (destinat\$4 NEAR6 (ID node identification identi\$4)) AND (access\$4 NEAR7 (server\$3 webserver\$4 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:06
S582	2	S579 AND ((location\$4 gps) AND (destinat\$4 NEAR6 (ID node identification identi\$4)) AND (access\$4 AND (server\$3 webserver\$4 gateway\$4))) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 21:06
S583	1	S530 and (access\$3 WITH cod\$3 SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:06
S584	8	S530 and (access\$3 SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:07
S585	8	S530 and ((access\$3 grand\$4) SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:08
S586	6	S530 and ((access\$3 grand\$4) SAME (location gps) SAME (reply\$4 respons\$4 echoback feed\$1back)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:08
S587	24	S530 and ((access\$3 grand\$4) AND (location gps) AND (reply\$4 respons\$4 echoback feed\$1back)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:12
S588	34	((access\$4 NEAR5 reply\$4) SAME (wireless device wtru UE user adj2 equipment TE TA WTRU) SAME (channel\$4 rout\$4) SAME (destinat\$4 end\$3)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/13 23:23

			DERWENT; IBM_TDB			
S589	0	S553 AND ((access\$4 NEAR5 reply\$4) SAME (wireless device wtru UE user adj2 equipment TE TA WTRU) SAME (channel\$4 rout\$4) SAME (destinat\$4 end\$3)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:23
S590	5	S553 AND ((access\$4 NEAR5 (reply\$4 respons\$4)) SAME (wireless device wtru UE user adj2 equipment TE TA WTRU) SAME (channel\$4 rout\$4) SAME (destinat\$4 end\$3)) and (@AD<"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/13 23:24
S591	34	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US- 20080125146-\$ or US-20070156909- \$ or US-20080101370-\$ or US- 20140016635-\$ or US-20090017842- \$ or US-20060109960-\$ or US- 20080255944-\$ or US-20060077983- \$ or US-20080261560-\$ or US- 20030087648-\$).did. or (US- 20060043164-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US- 6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/14 13:28
S592	1	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME Access\$4 SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:29
S593	1,380	(access\$4 NEAR4 (reply\$4 respons\$4) SAME Access\$4 SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:29

S594	1	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:30
S595	4	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME (channel\$4 link\$4 rout\$4 connection) SAME (destinat\$4 receiver\$4 user adj3 end))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:30
S596	4	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME (channel\$4 link\$4 rout\$4 connection) SAME (destinat\$4 receiver\$4 user adj3 end mobile\$4 device\$4 wtru))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:31
S597	3	S591 and (access\$4 NEAR4 (reply\$4 respons\$4) SAME (channel\$4 link\$4 rout\$4 connection) SAME (destinat\$4 receiver\$4 user adj3 end mobile\$4 device\$4 wtru)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:32
S598	3	(access\$4 NEAR4 (reply\$4 respons\$4) SAME Access\$4 NEAR2 code SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:34
S599	23	(access\$4 NEAR4 (reply\$4 respons\$4) SAME code SAME channel\$4 SAME (destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:36
S600	114	(access\$4 NEAR4 (reply\$4 respons\$4) SAME code SAME channel\$4 SAME (wireless adj2 device wtru mobile terminal destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:36
S601	350	(access\$4 NEAR4 (reply\$4 respons\$4) SAME (code key id identification identif\$4) SAME channel\$4 SAME (wireless adj2 device wtru mobile terminal destinat\$4 receiver\$4 user adj3 end)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:37

		SAME communicat\$4) AND (@AD <"20080728")				
S602	60	(access\$4 NEAR3 (reply\$4 respons\$4) WITH (code key id identification identif\$4) WITH channel\$4 SAME (wireless adj2 device wtru mobile terminal destinat\$4 receiver\$4 user adj3 end) SAME communicat\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 13:49
S603	0	(reserv\$4 NEAR5 channel\$4 SAME Access NEAR3 reply\$4 SAME (wireless adje device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:02
S604	0	(reserv\$4 NEAR5 channel\$4 SAME Access NEAR3 reply\$4 SAME (wireless adj2 device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:02
S605	2	(reserv\$4 NEAR5 channel\$4 SAME (reply\$4 respons\$4) SAME (wireless adj2 device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:02
S606	7	(reserv\$4 NEAR5 channel\$4 SAME (wireless adj2 device) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:09
S607	4	(reserv\$4 NEAR5 channel\$4 SAME access\$4 NEAR5 (reply\$4 respons\$4) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:11
S608	4	((reserv\$4 retriv\$4 restor\$4) NEAR5 channel\$4 SAME access\$4 NEAR5 (reply\$4 respons\$4) SAME (destinat\$4 receiver\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:12
S609	74	(access near3 cod\$3 NEAR3 (reply\$4 respons\$4)) SAME (access\$4 NEAR3	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2019/08/14 14:21

		cod\$4) SAME (wireless NEAR2 device)	JPO; DERWENT; IBM_TDB			
S610	20	(access near3 cod\$3 NEAR3 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 device) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:22
S611	20	(access near3 cod\$3 NEAR3 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 device) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2019/08/14 14:22
S612	52	(access NEAR5 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 device) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:26
S613	91	(access NEAR5 (reply\$4 respons\$4)) SAME (access\$4 NEAR3 cod\$4) SAME (wireless NEAR2 (device terminal\$4 equipment) user adj2 equipment WTRU) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:26
S614	3,736	(access\$4 NEAR5 (allow\$4 grant\$4) WITH (reply\$4 respons\$4) SAME (server\$4 webserv\$5 network\$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:40
S615	33	S614 and (destination\$4 receiver\$4) SAME channel\$4 NEAR4 access\$5 with (grant\$4 allow\$4 permission\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:42
S616	5	"6415154".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:44
S617	4	"20160026743"	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/14 14:45

			DERWENT; IBM_TDB			
S618	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:53
S619	1	S618 AND (access NEAR5 reply SAME (receiv\$4 WITH access NEAR3 code) SAME destination SAME channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 14:53
S620	3	"20070286170"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:10
S621	2	S620 and (respons\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:10
S622	2	S620 and (respons\$4 and (location\$4 gps))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:10
S623	2	S620 and (respons\$4 and (location\$4 gps) and (server\$4 gateway\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:11
S624	2	S620 and (respons\$4 and (location\$4 gps) and (server\$4 gateway\$4) and (path\$4 rout\$4 link\$4 channel\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:11
S625	2	S620 and (respons\$4 and (location\$4 gps) and (server\$4 gateway\$4) and (path\$4 rout\$4 link\$4 channel\$4) AND (access\$4 grant\$4 allow\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/14 15:12

			DERWENT; IBM_TDB			
S626	2	S620 and ((respons\$4 reply\$4) and (location\$4 gps) and (server\$4 gateway\$4) and (path\$4 rout\$4 link\$4 channel\$4) AND (access\$4 grant\$4 allow\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 15:12
S627	34	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/14 17:09
S628	6	S591 and (reply\$4 respons\$4 feed\$1back feedback\$4 ack acknowledg\$4) NEAR5 (code\$4 grant\$4 allow\$4) SAME (channel\$4 path\$3 rout\$3 frequency\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:10
S629	10	S591 and (reply\$4 respons\$4 feed\$1back feedback\$4 ack acknowledg\$4) NEAR5 (code\$4 grant\$4 allow\$4) AND (channel\$4 path\$3 rout\$3 frequency\$4) WITH (reply\$4 respons\$4 feed\$1back feedback\$4 ack acknowledg\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:12
S630	2	(access\$4 NEAR2 reply\$4 WITH channel\$4 WITH Destinats\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:36

S631	2	(access\$4 NEAR2 reply\$4 SAME channel\$4 SAME Destin\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:36
S632	3	(access\$4 NEAR2 reply\$4 SAME channel\$4 SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:37
S633	3	(access\$4 NEAR2 reply\$4 SAME (channel\$4 frequenc\$4) SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:37
S634	3	(access\$4 NEAR2 reply\$4 SAME (channel\$4 frequenc\$4 tunnel\$4) SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:38
S635	406	(access\$4 NEAR6 (respons\$4 reply\$4) SAME (channel\$4 frequenc\$4 tunnel\$4) SAME (wireless adj3 (device terminal equipment) WTRU)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:38
S636	86	(access\$4 NEAR6 (respons\$4 reply\$4) SAME (channel\$4 frequenc\$4 tunnel\$4) SAME (wireless adj3 (device terminal equipment) OR WTRU) SAME (destination\$3 end remot\$4 receiver\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:39
S637	1,462	(access\$4 NEAR6 (respons\$4 reply\$4) SAME (channel\$4 frequenc\$4 tunnel\$4) WITH (destination\$3 end remot\$4 receiver\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:53
S638	422	(access\$4 NEAR3 (respons\$4 reply\$4) WITH (channel\$4 frequenc\$4 tunnel\$4) WITH (destination\$3 end remot\$4 receiver\$3)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:53

S639	97	(access\$4 NEAR3 (respons\$4 reply\$4) WITH (channel\$4 frequenc\$4 tunnel\$4) WITH (destination\$3 end remot\$4 receiver\$3) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:53
S640	1	(channel\$4 WITH select\$4 WITH (replay resons\$4) WITH access\$4 SAME destinat\$3) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 17:59
S641	1	(channel\$4 NEAR5 select\$4 SAME (replay resons\$4) SAME access\$4 SAME destinat\$3) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:00
S642	0	(channel\$4 NEAR5 select\$4 SAME access NEAR5 (replay resons\$4) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:01
S643	0	(channel\$4 NEAR5 select\$4 SAME (access\$4 admission\$4 etner\$4 servic\$4 cover\$4 retriev\$4) NEAR5 (replay resons\$4) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:03
S644	17	((channel\$4 frequenc\$4) SAME (access\$4 admission\$4 etner\$4 servic\$4 cover\$4 retriev\$4) NEAR5 (replay resons\$4) SAME (wireless cellular)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:03
S645	4,311,912	("370".clas. "455".clas. "375".clas. "715".clas. "725".clas. H04W\$/\$.cpc. H04L\$/\$.cpc. H04B\$/\$.cpc.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:05
S646	7	S645 and S644	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:05

S647	501	S645 and (channel\$4 WITH access NEAR2 code WITH wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:08
S648	0	S645 and (channel\$4 WITH access NEAR2 code NEAR5 (reply\$4 resons\$4) WITH wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:09
S649	1	S645 and (channel\$4 WITH access NEAR2 code SAME (reply\$4 resons\$4) WITH wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:09
S650	1	S645 and (channel\$4 WITH access NEAR2 code SAME (reply\$4 resons\$4) SAME wireless) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:09
S651	36	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$ or US-20070286170-\$ or US-20070230423-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/14 18:10
S652	4	S596	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2019/08/14 18:10

			JPO; DERWENT; IBM_TDB			
S653	1	S652 AND (channel\$4 SAME access\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:11
S654	1	S652 AND (channel\$4 and wireless and (reply\$4 respons\$4) and wireless)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:14
S655	17	S651 AND (channel\$4 and wireless and (reply\$4 respons\$4) and wireless)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:15
S656	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2019/08/14 18:35
S657	3	S656 and (server\$4 and (data voice video))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:36
S658	3	S656 and (server\$4 and (data voice video) and (sms short\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 18:43
S659	2	S658 and (IP NEAR5 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:05
S660	2	S658 and (IP NEAR5 address) same (location\$4 gps)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:05

S661	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2019/08/14 21:47
S662	3	S661 and (server\$4 and (data voice video) and (sms short\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:47
S663	2	S662 and (IP NEAR5 address) same (location\$4 gps)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/14 21:47
S664	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2019/08/15 01:45
S665	3	S664 and (server\$4 and (data voice video) and (sms short\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:45
S666	2	S665 and (IP NEAR5 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:45
S667	2	S665 and (IP NEAR5 address) AND (router\$4 gateway\$4 switch\$4 network near2 (equipment device element))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:46
S668	48	("20060093135" "20040022237" "7055174" "20060153342" "20060258328" "6724860" "20070112964" "7046658" "20030200311" "8116307" "6151385" "6597686" "6744858" "20060072550" "20050025043" "6963557" "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:47
S669	34	(US-20070281705-\$ or US-20090252159-\$ or US-20040042607-\$ or US-20070121590-\$ or US-20040022237-\$ or US-20030114139-\$ or US-20030095542-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2019/08/15 01:47

		20030114145-\$ or US-20070112964-\$ or US-20060189337-\$ or US-20080056235-\$ or US-20040205211-\$ or US-20020122391-\$ or US-20080160953-\$ or US-20100004005-\$ or US-20090265552-\$ or US-20080125146-\$ or US-20070156909-\$ or US-20080101370-\$ or US-20140016635-\$ or US-20090017842-\$ or US-20060109960-\$ or US-20080255944-\$ or US-20060077983-\$ or US-20080261560-\$ or US-20030087648-\$).did. or (US-20060043164-\$).did. or (US-7068684-\$ or US-6963635-\$ or US-7079526-\$ or US-6016319-\$ or US-6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.				
S670	27	(S668 S669) and (IP NEAR5 address) AND (router\$4 gateway\$4 switch\$4 network near2 (equipment device element))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:47
S671	27	(S668 S669) and (IP NEAR5 address) AND (router\$4 gateway\$4 switch\$4 network near2 (equipment device element)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:48
S672	25	(S668 S669) and (IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:48
S673	8	(S668 S669) and ((second another different alternativ\$4 third fourth "2nd" "3rd") WITH IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 01:49
S674	1	"36462815".FMID.	US-PGPUB; USPAT; FPRS	OR	ON	2019/08/15 01:55
S675	24	(S668 S669) and (IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2019/08/15 02:01

		device element) and (location\$4 gps)) and (@AD <"20080728")	DERWENT; IBM_TDB			
S676	24	(S668 S669) and (IP NEAR5 address) SAME2 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element) SAME3 (location\$4 gps)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 02:01
S677	24	(S668 S669) and (IP NEAR5 address) SAME3 (router\$4 gateway\$4 switch\$4 network near2 (equipment device element) SAME3 (location\$4 gps)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 02:01
S678	20	(S668 S669) and (IP NEAR5 address) SAME (router\$4 gateway\$4 switch\$4 network near2 (equipment device element) SAME (location\$4 gps)) and (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/15 02:02
S679	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/16 18:36
S680	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2019/08/16 18:53
S681	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/02 14:09
S682	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2020/05/02 14:10
S683	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/02 14:11
S684	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/02 14:11
S685	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/02 14:11
S686	29	(digifonica).as,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/02 14:12

S687	20	((("VOIP-PAL.COM"))).AS,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/02 14:12
S688	0	(S687 S686 S685 S684 S683 S682) AND (source\$4 and destinat\$4 and (access\$4 NEAR4 (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 16:58
S689	0	(S687 S686 S685 S684 S683 S682) AND (source\$4 and destinat\$4 and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:05
S690	3	(S687 S686 S685 S684 S683 S682) AND ((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:06
S691	36	(US-20080261560-\$ or US- 20080125146-\$ or US-20070281705- \$ or US-20030095542-\$ or US- 20140016635-\$ or US-20070112964- \$ or US-20080255944-\$ or US- 20080056235-\$ or US-20080160953- \$ or US-20030087648-\$ or US- 20030114145-\$ or US-20060077983- \$ or US-20070286170-\$ or US- 20020122391-\$ or US-20040042607- \$ or US-20060043164-\$ or US- 20080101370-\$ or US-20090017842- \$ or US-20100004005-\$ or US- 20030114139-\$ or US-20060189337- \$ or US-20070156909-\$ or US- 20040205211-\$ or US-20090252159- \$ or US-20070121590-\$ or US- 20060109960-\$).did. or (US- 20090265552-\$ or US-20040022237- \$ or US-20070230423-\$).did. or (US- 6016319-\$ or US-6963635-\$ or US- 6674745-\$ or US-5454030-\$ or US- 7079526-\$ or US-7068684-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2020/05/02 17:38
S692	3	(US-20080056235-\$ or US- 20070286170-\$ or US-20070230423- \$).did.	US-PGPUB	OR	ON	2020/05/02 17:45
S693	2	S692 and (location\$4 gps) and (packet\$4 frame\$4 reply\$4 echo\$3)	US-PGPUB	OR	ON	2020/05/02 19:03

S694	1	S681 and (access near5 code\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/02 19:14
S700	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/04 13:07
S701	3	(US-20080056235-\$ or US-20070286170-\$ or US-20070230423-\$).did.	US-PGPUB	OR	ON	2020/05/04 14:21
S702	2	S701 and (location\$4 gps) and (packet\$4 frame\$4 reply\$4 echo\$3)	US-PGPUB	OR	ON	2020/05/04 14:21
S703	1	S700 and (location\$4 gps) SAME (access near4 code\$1)	US-PGPUB	OR	ON	2020/05/04 14:46
S704	1	S701 and (access\$4 NEAR5 code\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 15:08
S705	2	S701 and (access\$4 AND location\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 15:08
S706	45	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 16:11
S707	45	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 16:18

S708	22	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4) SAME (channel\$3 path\$1 rout\$4 link\$1 lane\$1 piplelin\$1 pathway\$1 tunnel\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 16:48
S709	11,511	(reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:03
S710	3,866	(reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:04
S711	34	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) NEAR5 (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:05
S712	104	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) SAME (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) SAME (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728") NOT S711	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:29
S713	138	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) SAME (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) SAME (WD wireless adj2 device\$4 WTRU	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:29

		terminal TA TE user adj2 equipment UE STA STB) AND (@AD <"20080728")				
S714	104	S713 NOT S711	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/04 17:32
S715	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2020/05/05 19:25
S716	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/05 19:25
S717	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/05 19:25
S718	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/05/05 19:25
S719	29	(digifonica).as,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:25
S720	20	((("VOIP-PAL.COM"))).AS,AANM.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:25
S721	0	(S720 S719 S718 S717 S716 S715) AND (source\$4 and destinat\$4 and (access\$4 NEAR4 (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:25
S722	29	(US-20070281705-\$ or US- 20090252159-\$ or US-20040042607- \$ or US-20070121590-\$ or US- 20040022237-\$ or US-20030114139- \$ or US-20030095542-\$ or US- 20030114145-\$ or US-20070112964- \$ or US-20060189337-\$ or US- 20080056235-\$ or US-20040205211- \$ or US-20020122391-\$ or US- 20080160953-\$ or US-20100004005- \$ or US-20090265552-\$ or US- 20080125146-\$ or US-20070156909- \$ or US-20080101370-\$ or US- 20140016635-\$ or US-20090017842- \$ or US-20060109960-\$).did. or (US- 7068684-\$ or US-6963635-\$ or US- 7079526-\$ or US-6016319-\$ or US- 6674745-\$ or US-5454030-\$).did. or (WO-2010012090-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2020/05/05 19:25

S723	2	S722 and (location\$4 geographical\$4) WITH (ID key\$4 identificat\$4) AND (access\$4 NEAR5 code\$4) AND (IP near5 address\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2020/05/05 19:25
S724	582,394	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/05 19:25
S725	12	S724 and ((initiat\$4 adj2 call) same (access adj2 code) and (channel ID) and ((non\$voice data) adj2 network\$5) and (identifier ID identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/05/05 19:25
S726	3	(S720 S719 S718 S717 S716 S715) AND ((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/05 19:27
S727	45	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27
S728	34	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) NEAR5 (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27
S729	34	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27

		code\$4) SAME (location\$4 gps\$4) NEAR5 (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")				
S730	104	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) SAME (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) SAME (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728") NOT S729	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/05/05 19:27
S732	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2020/09/03 17:11
S733	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/09/03 17:11
S734	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/09/03 17:11
S735	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/09/03 17:11
S736	29	(digifonica).as,AANM.	US-PGPUB; USPAT	OR	ON	2020/09/03 17:11
S737	20	((("VOIP-PAL.COM"))).AS,AANM.	US-PGPUB; USPAT	OR	ON	2020/09/03 17:11
S738	0	(S737 S736 S735 S734 S733 S732) AND (source\$4 and destinat\$4 and (access\$4 NEAR4 (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/09/03 17:11
S739	1	14/035806.APP.	US-PGPUB; USPAT	OR	ON	2020/09/03 17:11
S740	268,652	(370/310-338,395.\$ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2020/09/03 17:11
S741	1	S740 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2020/09/03 17:11
S742	582,988	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2020/09/03 17:12

			JPO; DERWENT; IBM_TDB			
S743	11	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2020/09/03 17:12
S744	16	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/09/03 17:12
S745	10	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/09/03 17:12
S746	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2020/09/03 17:12
S747	29	(digifonica).as,AANM.	US-PGPUB; USPAT	OR	ON	2020/09/03 17:12
S748	20	((("VOIP-PAL.COM"))).AS,AANM.	US-PGPUB; USPAT	OR	ON	2020/09/03 17:12
S749	3	(S748 S747 S746 S745 S744 S743) AND ((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id identification\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/09/03 17:12
S750	48	(reply\$3 feedback\$4 feed\$1back\$3 acknowledg\$4 ACK respons\$4) NEAR3 (messag\$4 packet\$4 frame\$1 PDU data adj2 gram\$1 data adj2 unit\$4) SAME access\$3 NEAR3 code\$3 SAME (location\$3 GPS position\$4 coordinat\$4 latitud\$4) NEAR5 (identifier\$3 ID information\$4 data\$1) SAME (request\$4 demand\$4 ask\$4 query\$4 solicit\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/09/03 17:13
S751	34	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) NEAR5 (channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) NEAR5 (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2020/09/03 17:13
S752	104	((server\$4 gatewar\$4 rout\$4) NEAR6 (reply\$4 feed\$1back\$4 feedbck\$1 acknowledg\$5 ACK) SAME	US-PGPUB; USPAT; FPRS; EPO;	OR	ON	2020/09/03 17:13

		(channel\$4 frequency\$4 path\$4 rout\$4 access\$1 near2 code\$4) SAME (location\$4 gps\$4) SAME (WD wireless adj2 device\$4 WTRU terminal TA TE user adj2 equipment UE STA STB)) AND (@AD <"20080728") NOT S751	JPO; IBM_TDB			
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S695	1,128	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:07
S696	57	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:09
S697	43	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:11
S698	29	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4)).clm.	US-PGPUB; USPAT	OR	ON	2020/05/02 17:12
S699	5	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4	USPAT	OR	ON	2020/05/02 17:13

		webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.				
S731	5	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.	USPAT	OR	ON	2020/05/05 19:28
S753	6	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.	USPAT	OR	ON	2020/09/03 17:13
S754	6	((destinat\$4 UE terminal\$4 phone mobile\$4 WTRU STA STA TE TA) and (access\$4 AND (code\$4 id idenfication\$4 key flag\$4)) AND (location\$4 gps geographic\$5) AND (reply\$4 feedback\$4) AND (router\$4 gateway\$4) AND (channel\$4 path\$4 rout\$4 link\$4) and (distinct\$4 different\$4 another\$4 separat\$4) AND (user\$1 input\$4) AND (server\$4 webserver\$4) AND (packet\$4 frame\$4 messag\$4 PDU)).clm.	USPAT	OR	ON	2020/09/03 17:15

9/7/2020 7:53:28 PM

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GATEWAY_DigifonicaInternational2.wsp

PRINTER RUSH
(PTO ASSISTANCE)

Application: **14035806**

Examiner: **Rahman, M.**

GAU: **2411**

From:

Location: **RTFM**

Creation Date: **09/22/2020**

Week Date: **5/11/2020**

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449 ☒ IDS ☐ CLM ☐ IIFW/FWCLM ☐ SRFW ☐ DRW ☐ OATH ☐ 312 ☐ SPEC	<u>09/11/2020</u>	☐ Continuing Data ☐ Foreign Priority ☐ Document Legibility ☐ Fees ☐ Petition (TC) ☐ Other

[RUSH] Message:

Please initial or line through the references cited on the 5-page IDS submitted on 9-11-20.

Thank you.

[XRUSH] Response:

Initials: _____

Examiner: PUBS contact - James Leija, (703) 756-1197

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.

REV: AUG 16

Page 1/1



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/035,806	09/24/2013	Johan Emil Viktor Björsell	4278-004.PCT.US.CON1	5562
20551	7590	09/28/2020	EXAMINER	
THORPE NORTH & WESTERN, LLP.			RAHMAN, M MOSTAZIR	
P.O. Box 1219				
SANDY, UT 84091-1219				
			ART UNIT	PAPER NUMBER
			2411	
			NOTIFICATION DATE	DELIVERY MODE
			09/28/2020	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):

patentdocket@tnw.com
warren.archibald@tnw.com

**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

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Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
14/035,806	09/24/2013	BjörSELL et al.	4278-004.PCT.US.C

THORPE NORTH & WESTERN, LLP. P.O. Box 1219 SANDY, UT 84091-1219		EXAMINER	
		M MOSTAZIR RAHMAN	
		ART UNIT	PAPER
		2411	20200922

DATE MAILED: _____

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

Commissioner for Patents

The information disclosure statements (IDS) submitted on 09/11/2020 have been placed in record and considered by the examiner. See attachment.

/M Mostazir Rahman/
Examiner, Art Unit 2411

/ANDREW LAI/
Supervisory Patent Examiner, Art Unit 2411

PTO-90C (Rev.04-03)

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

The information disclosure statements (IDS) submitted on **09/11/2020** have been placed in record and considered by the examiner.

Examiner's note regarding the documents listed in the IDS the Applicant filed 9/11/2020.

The IDS contains a total of 71 documents, of which three (3) are Patent Documents or PD (one US and two Foreign) and sixty-eight (68) are Non-Patent Literature (NPL). All of the NPLs appear to draw to cases/issues the Applicant have been involved with some US Circuit Courts, PTO Appeal Board and/or other parties, and associated with a number of issued US patents to the Applicant that were neither examined by instant examiner nor clear as to how they are pertinent or relevant prior art references to instant application. Further, the Applicant is reminded that the duty of disclosure of material information is not satisfied by presenting a patent examiner with "a mountain of largely irrelevant data from which he is presumed to have been able, with his expertise and with adequate time, to have found the critical data. It ignores the real world conditions under which examiners work." *Rohm & Haas Co. v. Crystal Chemical Co.*, 722 F.2d 1556, 1573, 220 U.S.P.Q. 289 (Fed. Cir. 1983), cert. denied, 469 U.S. 851 (1984). An

applicant has a duty to not just disclose pertinent prior art references but to make a disclosure in such way as not to “bury” it within other disclosures of less relevant prior art. See *Golden Valley Microwave Foods Inc. v. Weaver Popcorn Co. Inc.*, 24 U.S.P.Q.2d 1801 (N.D. Ind. 1992); *Molins PLC v. Textron Inc.*, 26 U.S.P.Q.2d 1889, 1899 (D. Del. 1992); *Penn Yan Boats, Inc. v. Sea Lark Boats, Inc. et al.*, 175 U.S.P.Q. 260, 272 (S.D. Fl. 1972). It is unreasonable for Examiner to review all of the cited references thoroughly. By signing and annotating the IDS filed 9/11/2020, comprising considered and strike-through documents, the Examiner is merely acknowledging the submission of the cited references and indicating that only a cursory review has been made.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M MOSTAZIR RAHMAN whose telephone number is (571)272-4785. The examiner can normally be reached on 8:30am-5:00pm PST.

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, Andrew Lai can be reached on 571-272-9741. 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 <https://ppair-my.uspto.gov/pair/PrivatePair>. 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.

/M Mostazir Rahman/
Examiner, Art Unit 2411

/ANDREW LAI/
Supervisory Patent Examiner, Art Unit 2411

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	14/035,806	
	Filing Date	9/24/2013	
	First Named Inventor	Johan Emil Viktor Björsell	
	Art Unit	2411	
(Multiple sheets used when necessary)		Examiner	M. Mostazir Rahman
SHEET 1 OF 5		Attorney Docket No.	4278-004.PCT.US.CON1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2019/0199621 A1	06-27-2019	Perreault et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	2	WO 0223851 A2	03-21-2002	Allirajah et al.		
	3	WO 0225889 A2	03-28-2002	Nisani et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	4	Third Amended Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. AT&T Corp., United States District Court Northern District of California, Case No. 5:18-cv-06177, filed Nov. 15, 2018, 26 pages	
	5	Third Amended Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. Cellco Partnership d/b/a Verizon Wireless et al., United States District Court Northern District of California, Case No. 5:18-cv-06054, filed Nov. 15, 2018, 25 pages	
	6	Joint Case Management Statement and [Proposed] Order, U.S. District Court Northern District of California, in VoIP-Pal.com, Inc. v. Twitter, Inc., Case No. 18-cv-04523; VoIP-Pal.com, Inc. v. Cellco Partnership d/b/a Verizon Wireless, Case No. 18-cv-06054, VoIP-Pal.com, Inc. v. AT&T Corp., Case No. 3:18-cv-06177, VoIP-Pal.com, Inc. v. Apple Inc., Case No. 3:18-cv-06216 and Case No. 3:18-cv-06217, VoIP-Pal.com, Inc. v. Amazon.com, Inc. et al., Case No. 3:18-cv-07020, Jan. 9, 2019, 29 pages	
	7	Defendants' Consolidated Notice Of Motion And Motion To Dismiss Plaintiff's Complaint; Memorandum Of Points And Authorities In Support, U.S. District Court Northern District of California, in VoIP-Pal.com, Inc. v. Twitter, Inc. et al., Case Nos. 18-cv-04523, 18-cv-06054, 3:18-cv-06177, 3:18-cv-06217, re: U.S. Patent Nos. 8,542,815 and 9,179,005, January 10, 2019, 34 pages	
	8	VoIP-Pal's Opposition To Defendants' Consolidated Motion To Dismiss Plaintiff's Complaint; Memorandum Of Points And Authorities In Support, U.S. District Court Northern District of California, in VoIP-Pal.com, Inc. v. Twitter, Inc. et al., Case Nos. 18-cv-04523, 18-cv-06054, 18-cv-06177, 18-cv-06217, February 7, 2019, 33 pages.	
	9	Declaration of William Henry Mangione-Smith in Support of VoIP-Pal's Opposition to Defendants' Consolidated Motion to Dismiss Plaintiff's Complaint; Memorandum of Pints and Authorities in Support, U.S. District Court Northern District of California, in VoIP-Pal.com, Inc. v. Twitter, Inc. et al., Case Nos. 18-cv-04523, 18-cv-06054, 18-cv-06177, 18-cv-06217, February 7, 2019, 37 pages.	

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	Filing Date	9/24/2013
	First Named Inventor	Johan Emil Viktor Björsell
	Art Unit	2411
	Examiner	M. Mostazir Rahman
SHEET 2 OF 5	Attorney Docket No.	4278-004.PCT.US.CON1

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	~~10~~	~~VoIP-Pal's Opposition To Defendants' Consolidated Motion To Dismiss Plaintiff's Complaint: Memorandum Of Points And Authorities In Support (CORRECTED) U.S. District Court Northern District of California, in VoIP-Pal.com, Inc. v. Twitter, Inc. et al., Case Nos. 18-cv-04523, 18-cv-06054, 18-cv-06177, 18-cv-06217, February 12, 2019, 33 pages.~~	
	~~11~~	~~Defendants' Consolidated Reply in Support of Defendants' Consolidated Motion To Dismiss Plaintiff's Complaint; Memorandum Of Points And Authorities In Support, U.S. District Court Northern District of California, in VoIP-Pal.com, Inc. v. Twitter, Inc. et al., Case Nos. 18-cv-04523, 18-cv-06054, 18-cv-06177, 18-cv-06217, February 28, 2019, 24 pages.~~	
	~~12~~	~~Order Granting Consolidated Motions to Dismiss, United States District Court Northern District of California, in VoIP-Pal.com, Inc. v. Twitter, Inc. et al., Case Nos. 18-cv-04523, 18-cv-06054, 18-cv-06177, 18-cv-06217, re: U.S. Patent Nos. 8,542,815 and 9,179,005, Document 96, Judge Lucy H. Koh, March 25, 2019, 45 pages.~~	
	~~13~~	~~Corrected Opening Brief For Plaintiff-Appellant, On Appeal from the United States District Court for the Northern District of California in Nos. 5:18-cv-04523-LHK (Twitter, Inc.), 5:18-cv-06054-LHK (Cellco Partnership d/b/a Verizon Wireless), Case No. 18-cv-06054 (Verizon), 5:18-cv-06177-LHK (AT&T) and 5:18-cv-06217-LHK (Apple), U.S. Court of Appeals for the Federal Circuit ("CAFC"), July 9, 2019, 241 pages (including Addendum).~~	
	~~14~~	~~Joint Responsive Brief For Defendants-Appellees, CAFC, On Appeal from the United States District Court for the Northern District of California, Case Nos. 5:18-cv-04523-LHK, 5:18-cv-06054-LHK, 5:18-cv-06177-LHK, and 5:18-cv-06217-LHK, Document 46, August 5, 2019, 78 pages.~~	
	~~15~~	~~Reply Brief for Plaintiff-Appellant, U.S. Court of Appeals for the Federal Circuit, On Appeal from the United States District Court for the Northern District of California in Nos. Case Nos. 5:18-cv-04523-LHK, 5:18-cv-06054-LHK, 5:18-cv-06177-LHK and 5:18-cv-06217-LHK, September 9, 2019, 40 pages.~~	
	~~16~~	~~Judgment (Rule 36), Per Curiam (Newman, Lourie, and O'Malley, Circuit Judges), U.S. Court of Appeals for the Federal Circuit, in Appeal from the United States District Court for the Northern District of California in Case Nos. 5:18-cv-04523-LHK (Twitter, Inc., 2019-1808), 5:18-cv-06054-LHK (Cellco Partnership, DBA Verizon Wireless Services LLC, 2019-1812), 5:18-cv-06177-LHK (AT&T Corp., 2019-1813), 5:18-cv-06217-LHK (Apple, 2019-1814), Document 88, March 16, 2020 (4 pages)~~	
	~~17~~	~~Appellant's Combined Petition for Panel Rehearing and Rehearing <i>En Banc</i>, United States Court of Appeals for the Federal Circuit, Appeal from the United States District Court for the Northern District of California in Case Nos. 5:18-cv-04523-LHK, 5:18-cv-06054-LHK, 5:18-cv-06177-LHK and 5:18-cv-06217-LHK, Document 89, April 15, 2020, 34 pages.~~	
	~~18~~	~~Order Denying Petition, On Petition For Panel Rehearing And Rehearing <i>En Banc</i>, Document 99, U.S. Court of Appeals for the Federal Circuit, Peter R. Marksteiner, Clerk of Court, May 18, 2020 (3 pages)~~	
	~~19~~	~~Case Management Order, Judge Lucy H. Koh, United States District Court Northern District of California, VoIP-Pal.com, Inc. v. Amazon.com Inc, et al., Case no. 5:18-CV-7020-LHK, VoIP-Pal.com, Inc. v. Apple, Inc., Case no. 18-CV-06216-LHK, Document 40, January 16, 2019, 3 pages~~	
	~~20~~	~~Apple's and Amazon's Consolidated Notice of Motion and Motion to Dismiss Plaintiff's Complaint; Memorandum Of Points And Authorities In Support, Case Nos. 18-cv-06216-LHK, 18-cv-07020-LHK, re: U.S. Patent Nos. 9,826,002, 9,948,549, 9,813,330, and 9,537,762, United States District Court Northern District of California, Document 57, February 15, 2019, 32 pages.~~	
	~~21~~	~~First Amended Complaint, VoIP-Pal.com, Inc. v. Amazon.com, Inc. et al., Case No. 5:18-cv-07020-LHK, United States District Court Northern District of California, re: U.S. Patent Nos. 9,826,002, 9,948,549, 9,813,330, and 9,537,762, March 8, 2019, 52 pages~~	

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	First Named Inventor	Johan Emil Viktor Björsell
	Art Unit	2411
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	Attorney Docket No.	4278-004.PCT.US.CON1

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	~~22~~	~~First Amended Complaint, VoIP-Pal.com, Inc. v. Apple, Inc., Case No. 5:18-cv-06216-LHK, United States District Court Northern District of California, 18- U.S. Patent Nos. 9,826,002, 9,948,349, 9,813,330, and 9,537,762, March 8, 2019, 44 pages~~	
	~~23~~	~~VoIP-Pal's Opposition to Apple's and Amazon's Consolidated Motion to Dismiss Plaintiff's Complaint: Memorandum of Points and Authorities in Support, Case No. 5:18-cv-06216-LHK, United States District Court Northern District of California, Document 68, March 15, 2019, 33 pages.~~	
	~~24~~	~~Declaration of William Henry Mangione-Smith in Support of VoIP-Pal's Opposition to Defendants' Consolidated Motion to Dismiss Plaintiff's Complaint, Case Nos. 18-cv-06216-LHK, 18-cv-07020-LHK, United States District Court Northern District of California, Document 49-7, March 15, 2019, 35 pages~~	
	~~25~~	~~Reply of Defendants in Support of Their Consolidated Motion to Dismiss Plaintiff's Complaints, Case Nos. 5:18-cv-06216-LHK, 5:18-cv-07020-LHK, United States District Court Northern District of California, Document 53, April 5, 2019, 21 pages.~~	
	~~26~~	~~Patent L.R. 4-2 Identification Of Preliminary Proposed Constructions And Extrinsic Evidence Of Apple Inc., Amazon.com, Inc., and Amazon Technologies, Inc., Case Nos. 5:18-cv-06216-LHK, 5:18-cv-07020-LHK, United States District Court Northern District of California, April 22, 2019, 42 pages.~~	
	~~27~~	~~Consolidated Notice Of Motion And Motion of Apple and Amazon To Dismiss Plaintiff's Amended Complaint, Memorandum Of Points And Authorities in Support, Case Nos. 18-cv-06216-LHK, 18-cv-07020-LHK, U.S. District Court Northern District of California, Document 67, June 5, 2019, 31 pages.~~	
	~~28~~	~~(Corrected) VoIP-Pal's Opposition to Apple's and Amazon's Consolidated Motion to Dismiss Plaintiff's Complaint, Memorandum of Points And Authorities in Support, Case Nos. 18-cv-06216-LHK, 18-cv-07020-LHK, U.S. District Court Northern District of California, June 19, 2019, 33 pages.~~	
	~~29~~	~~Reply of Defendants in Support of Their Consolidated Motion to Dismiss Plaintiff's Amended Complaints, Case Nos. 18-cv-06216-LHK, 18-cv-07020-LHK, United States District Court Northern District of California, Document 70, June 26, 2019, 20 pages.~~	
	~~30~~	~~VoIP-Pal's Opening Claim Construction Brief, Case Nos. 5:18-cv-06216-LHK and 5:18-cv-07020-LHK, United States District Court Northern District of California, July 15, 2019, 24 pages.~~	
	~~31~~	~~Defendants' Responsive Claim Construction Brief, Case Nos. 5:18-cv-06216-LHK, 5:18-cv-07020-LHK, United States District Court Northern District of California, Document 94, August 2, 2019, 30 pages~~	
	~~32~~	~~VoIP-Pal's Reply Claim Construction Brief, Case Nos. 5:18-cv-06216-LHK and 5:18-cv-07020-LHK, United States District Court Northern District of California, August 9, 2019, 19 pages.~~	
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	~~36~~	~~Appellant's Reply Brief, U.S. Court of Appeals for the Federal Circuit ("CAFC"), Case Nos. 2020-1241, 2020-1244, Appeal from the United States District Court for the Northern District of California in Case Nos. 5:18-cv-06216-LHK and 5:18-cv-07020-LHK, Document 26, June 10, 2020, 43 pages.~~	

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	~~37~~	~~Original Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. Facebook, Inc. and WhatsApp, Inc. Case No. 6:20-cv-00267, U.S. District Court for the Western District of Texas, April 2, 2020, 29 pages~~	
	~~38~~	~~Exhibit 2, in support of Original Complaint for Patent Infringement, Case No. 6:20-cv-00267, U.S. District Court for the Western District of Texas, April 2, 2020, 11 pages.~~	
	~~39~~	~~Original Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. Google, LLC Case No. 6:20-cv-00269, U.S. District Court for the Western District of Texas, April 3, 2020, 28 pages~~	
	~~40~~	~~Exhibit 2, in support of Original Complaint for Patent Infringement, Case No. 6:20-cv-00269, U.S. District Court for the Western District of Texas, April 3, 2020, 19 pages.~~	
	~~41~~	~~Original Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. Amazon.com, Inc. et al., Case No. 6:20-cv-00272, U.S. District Court for the Western District of Texas, April 6, 2020, 28 pages~~	
	~~42~~	~~Exhibit 2, in support of Original Complaint for Patent Infringement, Case No. 6:20-cv-00272, U.S. District Court for the Western District of Texas, April 6, 2020, 10 pages.~~	
	~~43~~	~~Original Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. Apple, Inc., Case No. 6:20-cv-00275, U.S. District Court for the Western District of Texas, April 7, 2020, 28 pages~~	
	~~44~~	~~Exhibit 2, in support of Original Complaint for Patent Infringement, Case No. 6:20-cv-00275, U.S. District Court for the Western District of Texas, April 7, 2020, 15 pages.~~	
	~~45~~	~~Original Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. AT&T, Inc. et al., Case No. 6:20-cv-00325, U.S. District Court for the Western District of Texas, April 24, 2020, 29 pages~~	
	~~46~~	~~Exhibit 2, in support of Original Complaint for Patent Infringement, Case No. 6:20-cv-00325, U.S. District Court for the Western District of Texas, April 24, 2020, 9 pages.~~	
	~~47~~	~~Original Complaint for Patent Infringement, VoIP-Pal.com, Inc. v. Verizon Communications, Inc. et al., Case No. 6:20-cv-00327, U.S. District Court for the Western District of Texas, April 24, 2020, 29 pages~~	
	~~48~~	~~Exhibit 2, in support of Original Complaint for Patent Infringement, Case No. 6:20-cv-00327, U.S. District Court for the Western District of Texas, April 24, 2020, 11 pages.~~	
	~~49~~	~~Order, Granting-in-Part Petitioner's Motion for Sanctions, Apple Inc. v. VoIP-Pal.com, Inc., Case Nos. IPR2016-01198 and IPR2016-01201 re: U.S. Patents 9,179,005 B2 and 8,542,815 B2. Before the USPTO Patent Trial and Appeal Board ("PTAB"), Per Administrative Patent Judges Scott R. Boalick, Jacqueline Wright Bonilla, and Michael P. Tierney, Paper No. 70, December 21, 2018, 18 pages.~~	
	~~50~~	~~Petitioner's Request for Rehearing, Apple Inc. v. VoIP-Pal.com, Inc., Case No. IPR2016-01198 (PTAB), re: U.S. Patent 9,179,005, Paper 71, January 8, 2019, 21 pages.~~	
	~~51~~	~~Petitioner's Request for Rehearing, Apple Inc. v. VoIP-Pal.com, Inc., Case No. IPR2016-01201 (PTAB), re: U.S. Patent 8,542,815, Paper 71, January 8, 2019, 21 pages.~~	
	~~52~~	~~Patent Owner's Opposition to Apple's Request for Rehearing Pursuant to Board Order of December 21, 2018 (Corrected), PTAB Case No. IPR2016-01198, U.S. Patent 9,179,005, Paper 75, January 22, 2019, 26 pages~~	
	~~53~~	~~Patent Owner's Opposition to Apple's Request for Rehearing Pursuant to Board Order of December 21, 2018 (Corrected), PTAB Case No. IPR2016-01201, U.S. Patent 8,542,815, Paper 73, January 22, 2019, 26 pages~~	
	~~54~~	~~Petitioner Reply In support of Its Request for Rehearing, PTAB Case No. IPR2016-01198, U.S. Patent 9,179,005, Paper 74, January 29, 2019, 13 pages.~~	

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SHEET 5 OF 5	Attorney Docket No.	4278-004.PCT.US.CON1

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	55	Petitioner Reply In support of Its Request for Rehearing, PTAB Case No. IPR2016-01201, U.S. Patent 8,542,815, Paper 74, January 29, 2019, 13 pages.	
	56	Decision Denying Petitioner's Request for Rehearing, Apple Inc. v. VoIP-Pal.com, Inc., Case Nos. IPR2016-01198 and IPR2016-01201 re: U.S. Patents 9,179,005 B2 and 8,542,815 B2. Before the USPTO Patent Trial and Appeal Board ("PTAB"), Per Administrative Patent Judges Scott R. Boalick, Jacqueline Wright Bonilla, and Michael P. Tierney, Paper No. 75, May 24, 2019, 12 pages.	
	57	Principal Brief for Apple Inc. as Appellant, Docket Nos. 18-1456, 18-1457, U.S. Court of Appeals for the Federal Circuit ("CAFC"), On Appeal from the USPTO, Patent Trial and Appeal Board, in Case Nos. IPR2016-01198, IPR2016-01201, Document 28, September 23, 2019, 69 pages.	
	58	Opening Brief for Appellee, Docket Nos. 18-1456, 18-1457, U.S. Court of Appeals for the Federal Circuit ("CAFC"), On Appeal from the USPTO, Patent Trial and Appeal Board, in Case Nos. IPR2016-01198, IPR2016-01201, November 4, 2019, 69 pages.	
	59	Reply Brief for Apple Inc. as Appellant, Docket Nos. 18-1456, 18-1457, U.S. Court of Appeals for the Federal Circuit ("CAFC"), On Appeal from the USPTO, Patent Trial and Appeal Board, in Case Nos. IPR2016-01198, IPR2016-01201, Document 53, February 24, 2020, 41 pages.	
	60	Petition for <i>Inter Partes</i> Review of U.S. Patent No. 9,537,762, Apple, Inc. v. VoIP-Pal.com, Inc., IPR2019-01003, May 13, 2019, 71 pages.	
	61	Declaration of Dr. Tal Lavian, in support of Apple's Petition in IPR2019-01003 re: U.S. Patent No. 9,537,762, Apple, Inc. v. VoIP-Pal.com, Inc., EX1005 (Exhibit 1005), May 13, 2019, 215 pages.	
	62	Petition for <i>Inter Partes</i> Review of U.S. Patent No. 9,813,330, Apple, Inc. v. VoIP-Pal.com, Inc., IPR2019-01006, May 13, 2019, 69 pages.	
	63	Declaration of Dr. Tal Lavian, in support of Apple's Petition in IPR2019-01006 re: U.S. Patent No. 9,813,330, Apple, Inc. v. VoIP-Pal.com, Inc., EX1005 (Exhibit 1005), May 13, 2019, 215 pages.	
	64	Petition for <i>Inter Partes</i> Review of U.S. Patent No. 9,826,002, Apple, Inc. v. VoIP-Pal.com, Inc., IPR2019-01008, May 13, 2019, 67 pages.	
	65	Declaration of Dr. Tal Lavian, in support of Apple's Petition in IPR2019-01008 re: U.S. Patent No. 9,826,002, Apple, Inc. v. VoIP-Pal.com, Inc., EX1005 (Exhibit 1005), May 13, 2019, 215 pages.	
	66	Petition for <i>Inter Partes</i> Review of U.S. Patent No. 9,948,549, Apple, Inc. v. VoIP-Pal.com, Inc., IPR2019-01009, May 13, 2019, 70 pages.	
	67	Declaration of Dr. Tal Lavian, in support of Apple's Petition in IPR2019-01009 re: U.S. Patent No. 9,948,549, Apple, Inc. v. VoIP-Pal.com, Inc., EX1005 (Exhibit 1005), May 13, 2019, 215 pages.	
	68	Apple, Inc. v. VoIP-Pal.com, Inc., IPR2019-01003, Paper 7 (PTAB, November 12, 2019) (Decision Denying Institution of <i>Inter Partes</i> Review of U.S. Patent 9,537,762), 21 pages	
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	71	Apple, Inc. v. VoIP-Pal.com, Inc., IPR2019-01009, Paper 7 (PTAB, November 12, 2019) (Decision Denying Institution of <i>Inter Partes</i> Review of U.S. Patent 9,948,549), 21 pages	

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	1449	09/28/2020	4278-004.PCT.US.CON1

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EXAMINER: M. Mostazir Rahman	
FIRST NAMED INVENTOR: Johan Emil Viktor Björsell	
SERIAL NO.: 14/035,806	
FILED: 9/24/2013	
CONF. NO.: 5562	
FOR: MOBILE GATEWAY	
DOCKET NO.: 4278-004.PCT.US.CON1	

THORPE NORTH & WESTERN, LLP
Customer No. 20,551
P.O. Box 1219
Sandy, Utah 84091-1219

AMENDMENT AFTER NOTICE OF ALLOWANCE UNDER 37 C.F.R. § 1.312

AND

RESPONSE TO EXAMINER'S COMMENTS

Commissioner for Patents
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Alexandria, VA 22313-1450

Dear Sir:

Further to the Notice of Allowance, mailed September 18, 2020, and the Miscellaneous Communication mailed September 28, 2020, Applicant offers the following Amendment under 37 C.F.R. 1.312 and comments.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 26 of this paper.

Comments on Statement of Reasons for Allowance begin on page 27 of this paper.

Electronic Patent Application Fee Transmittal				
Application Number:		14035806		
Filing Date:		24-Sep-2013		
Title of Invention:		MOBILE GATEWAY		
First Named Inventor/Applicant Name:		Johan Emil Viktor Björsell		
Filer:		Sean Franklin Parmenter/Jenny Morison		
Attorney Docket Number:		4278-004.PCT.US.CON1		
Filed as Small 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	2501	1	500	500

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				500

Electronic Acknowledgement Receipt

EFS ID:	41150611
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Customer Number:	20551
Filer:	Sean Franklin Parmenter/Jenny Morison
Filer Authorized By:	Sean Franklin Parmenter
Attorney Docket Number:	4278-004.PCT.US.CON1
Receipt Date:	17-NOV-2020
Filing Date:	24-SEP-2013
Time Stamp:	19:43:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 500
RAM confirmation Number	E2020AGJ44390623
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

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)	IssueFeeTransmittal.pdf	248677	no	2
			68b02dc93a7a949e28337caf68b19c391f23a855		
Warnings:					
Information:					
2		312Amendment.pdf	495739	yes	30
			503aad4582b407791e0fd710f8cde712d2b5aa74		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Applicant Arguments/Remarks Made in an Amendment		27	30	
	Claims		2	26	
	Amendment after Notice of Allowance (Rule 312)		1	1	
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30290	no	2
			74ac0b4b664cc92b3f203ff17b51c381d290bcf9		
Warnings:					
Information:					
Total Files Size (in bytes):			774706		

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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.

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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

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

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P.O. Box 1450
Alexandria, VA 22313-1450

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

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Thorpe North & Western, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

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Jenny Morison	(Typed or printed name)
/Jenny Morison/	(Signature)
November 17, 2020	(Date)

APPLICATION NO	FLING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
14/035,806	09/24/2013	Johan Emil Viktor Björnsell	4278-004.PCT.US.C	5562

TITLE OF INVENTION: Mobile Gateway

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$500	\$0	\$0	\$500	12/18/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
M. Mostazir Rahman	2411	370-328000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363)

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "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, | 1. Thorpe North & Western, LLP. |
| (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. | 2. |
| | 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

VoIP-Pal.com, Inc.

(B) RESIDENCE: (CITY and STATE or COUNTRY)

Bellevue, WA

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 _____

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

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29. 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.
- ☐ Applicant asserting small entity status. See 37 CFR 1.27. NOTE: If the application was previously under micro entity status, checking this box will be taken as a notification of loss of entitlement to micro entity status.
- ☐ Applicant changing to regular undiscounted fee status. NOTE: Checking this box will be taken as 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 /Sean F. Parmenter/

Date November 17, 2020

Typed or printed name Sean F. Parmenter

Registration No. 45,357

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. 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 30 minutes 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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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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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
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.

REMARKS

Applicant expresses appreciation to the Examiner for consideration of the subject patent application and issuance of the Notice of Allowance mailed September 18, 2020.

Claims 1-141 are allowed.

Amendment under 37 C.F.R. § 1.312

By this amendment, Applicant has corrected minor typographical and dependency errors in the claims and requests entry of the amendment without withdrawing the application from issue. Specifically, claim 72 has been amended to depend from claim 71 (which provides a proper antecedent basis for “timestamp”), claim 77 has been amended to pluralize “communications channel,” and claim 130 has been amended to correct typographical errors, thus improving the clarity of these claims and better protecting the recited invention.

Applicant respectfully submits that: (a) this minor amendment does not necessitate an additional search, (b) no more than a cursory review of the record is necessary, and (c) the amendment does not involve materially added work on the part of the Office, as set forth in MPEP §714.16. Applicant therefore respectfully requests that the present amendment be entered into the record under 37 C.F.R. § 1.312.

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE
AND MISCELLANEOUS COMMUNICATION

The Examiner's note in the Miscellaneous Communication mailed September 28, 2020, referenced the Applicant's IDS filed September 11, 2020 and stated:

"All of the NPLs appear to draw to cases/issues the Applicant have been involved with some US Circuit Courts, PTO Appeal Board and/or other parties, and associated with a number of issued US patents to the Applicant that were neither examined by instant examiner nor clear as to how they are pertinent or relevant prior art references to instant application." [Page 2; sic]

Applicant submits that the IDS submission dated September 11, 2020, to which the Examiner refers, is consistent with MPEP 2001.06(c) entitled "Information From Related Litigation and/or Trial Proceedings." MPEP 2001.06(c) states "material information that is **raised in trial proceedings that is relevant to related applications undergoing examination** should be submitted on an Information Disclosure Statement for the examiner's consideration." MPEP 2001.06(c) covers information that "might arise during litigation and/or trial proceeding in, for example, pleadings, admissions, discovery including interrogatories, depositions, and other documents and testimony." The related litigation involved patents that had some subject matter in common with the instant application as well as a common inventor and thus Applicant felt the proceedings may be of interest to the Examiner. Where the Applicant was uncertain of the materiality of the information in the related litigation, Applicant has erred on the side of forthright disclosure. Applicant respectfully submits that it was proper to submit such information to the Examiner for review, in addition to potentially relevant prior art references, even if the Examiner did not ultimately find the litigation documents to be particularly relevant.

Furthermore, Applicant has been submitting in IDS filings, as an ongoing business practice, "pleadings, admissions, discovery including interrogatories, depositions, and other documents and testimony" as identified in MPEP 2001.06(c), from the related litigation, since at least as early as March 2016. The Examiner has not heretofore objected to this practice nor has he indicated that the submitted information was not pertinent upon review of those submissions. For example, on October 16, 2016, the Examiner considered an IDS filing dated March 23, 2016, which included, among other things, Non-Patent Literature documents entitled, "COMPLAINT FOR PATENT INFRINGEMENT" for cases 2:16-CV-000271 and 2:16-CV-00260 in the U.S.

District Court, District of Nevada. Applicant has also continued, throughout the prosecution of the present application, to inform the Examiner of *inter partes* review proceedings (IPRs) and other litigation proceedings. For example, an IDS dated July 21, 2017, listing one hundred and eighteen litigation NPL documents, was considered by the Examiner in August 21, 2017, and an IDS dated February 2, 2018, listing eighty-four litigation NPL documents, was considered by the Examiner on August 7, 2018. Other similar IDS filings are part of the record. Thus, Applicant submits that the IDS submission dated September 11, 2020 was consistent with past IDS submissions in this application and continued to inform the Examiner of information “raised in trial proceedings” which may be “relevant to related applications undergoing consideration.”

CONCLUSION

In light of the above, Applicant respectfully submits that allowed claims 1-141 remain in condition for allowance. If any impediment to the allowance of these claims remains after entry of this Amendment, the Examiner is strongly encouraged to call Sean F. Parmenter at (801) 566-6633 so that such matters may be resolved expeditiously.

The issue fee is being paid concurrently.

The Commissioner is hereby authorized to charge any additional fee or to credit any overpayment in connection with this Amendment to Deposit Account No. 20-0100.

DATED this 17th day of November, 2020.

Respectfully submitted,

/Sean F. Parmenter/

Sean F. Parmenter
Registration No. 53437

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Telephone: (801) 566-6633

SE/jm

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method of establishing communications between a wireless device and a destination node of a communications network, the method comprising:

receiving from a user of the wireless device a destination node identifier associated with the destination node;

transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being distinct from the destination node identifier; and

in response to receiving the access code reply message, causing the wireless device to use the access code received in the access code reply message to initiate communications from the wireless device to the destination node through the channel identified by the access code, wherein the access code is based on the location identifier transmitted in the access code request message and enables the communications to be established from the wireless device to the destination node through the channel on the gateway identified by the access code.

2. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message to the access server on a non-voice network.

3. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

4. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message on a voice network.

5. (Original) The method of claim 4, wherein transmitting the access code request message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

6. (Original) The method of claim 1, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network.

7. (Original) The method of claim 1, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

8. (Original) The method of claim 1, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

9. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving the access code reply message from the access server on a non-voice network.

10. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving the access code reply message as a Short Messaging Service (SMS) message.

11. (Original) The method of claim 1, wherein receiving comprises receiving the access code reply message on a voice network.

12. (Original) The method of claim 11, wherein receiving the access code reply message on a voice network comprises receiving the access code reply message as a Short Messaging Service (SMS) message.

13. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving, in the access code reply message, an access code temporarily associated with the destination node identifier.

14. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving, in the access code reply message, a telephone number or an Internet Protocol (IP) address.

15. (Original) The method of claim 14, wherein establishing communications between the wireless device and the destination node comprises engaging a routing controller to route the call on a public switched telephone network (PSTN) or an IP network to the destination node.

16. (Original) The method of claim 1 further comprising:
receiving at the access server, the access code request message from the wireless device;
causing the access server to communicate with a routing controller to obtain from the routing controller the access code, wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless device in a subsequent communication to cause the routing controller to establish a call to the destination node using the communications channel; and
causing the access server to transmit the access code reply message to the wireless device.

17. (Original) The method of claim 16, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

18. (Original) The method of claim 16, wherein transmitting the access code reply message comprises transmitting the access code reply message on a voice network.

19. (Original) The method of claim 18, wherein transmitting the access code reply message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

20. (Previously Presented) A wireless apparatus comprising:
means for receiving from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate;
means for transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus;
means for receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless apparatus and the destination node can be conducted, the access code being distinct from the destination node identifier; and
means for causing the wireless apparatus to establish communications with the destination node through the communications channel identified by the access code in the access code reply message, the access code being based on the location identifier transmitted in the access code request message.

21. (Previously presented) The apparatus of claim 20, wherein the means for transmitting comprises a non-voice network interface for transmitting the access code request message to the access server on a non-voice network.

22. (Original) The apparatus of claim 20, wherein the means for transmitting includes means for transmitting the access code request message as a Short Messaging Service (SMS) message.

23. (Original) The apparatus of claim 20, wherein the means for transmitting comprises means for transmitting the access code request message on a voice network.

24. (Original) The apparatus of claim 23, wherein the means for transmitting the access code request message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message.

25. (Original) The apparatus of claim 20, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network.

26. (Original) The apparatus of claim 20, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus.

27. (Original) The apparatus of claim 20, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless apparatus.

28. (Original) The apparatus of claim 20, wherein the means for receiving an access code reply message comprises a non-voice network interface for receiving the access code reply message on a non-voice network.

29. (Original) The apparatus of claim 20, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

30. (Previously Presented) The apparatus of claim 20, wherein the means for receiving the access code request message comprises means for receiving the access code request message on a voice network.

31. (Original) The apparatus of claim 30, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

32. (Original) The apparatus of claim 20, wherein the access code includes a telephone number or an IP address.

33. (Previously Presented) The wireless apparatus of claim 20, wherein the means for causing the wireless apparatus to establish communications comprises a mobile telephone network interface.

34. (Previously presented) A system for enabling roaming by a wireless apparatus, the system comprising the wireless apparatus of claim 20 and further comprising:

a routing controller;

the access server, wherein the access server comprises:

means for receiving from the wireless apparatus the access code request message;

means for communicating with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel; and

means for transmitting the access code reply message including the access code to the wireless apparatus.

35. (Original) The system of claim 34, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

36. (Original) The system of claim 34, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message on a voice network.

37. (Original) The system of claim 36, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message.

38. (Previously Presented) A wireless apparatus comprising:

a processor circuit comprising at least one processor;
a network interface in communication with the processor circuit; and
a non-transitory computer readable medium having computer executable codes stored thereon for directing the processor circuit to:

receive from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate;

transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus;

receive an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless apparatus and the destination node can be conducted, the access code being distinct from the destination node identifier; and

initiate communications from the wireless apparatus, via the network interface, using the access code based on the location identifier, to establish communications between the wireless apparatus and the destination node through the communications channel identified by the access code.

39. (Original) The apparatus of claim 38, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to cause the access code request message to be transmitted include codes for directing the processor circuit to cause the access code request message to be transmitted to the access server using the non-voice network interface on a non-voice network.

40. (Original) The apparatus of claim 38, wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted as a Short Messaging Service (SMS) message.

41. (Original) The apparatus of claim 38, wherein the network interface comprises a voice network interface and wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted on a voice network.

42. (Original) The apparatus of claim 41, wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted as a Short Messaging Service (SMS) message on the voice network.

43. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network.

44. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus.

45. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless apparatus.

46. (Original) The wireless apparatus of claim 38, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to receive an access code reply message include codes for directing the processor circuit to cause the access code reply message to be received from the access server using the non-voice network interface on a non-voice network.

47. (Original) The wireless apparatus of claim 38, wherein the access code includes a telephone number or an IP address.

48. (Previously presented) The wireless apparatus of claim 38, wherein the network interface comprises a mobile telephone network interface, and wherein the codes for directing the

processor circuit to establish communications between the wireless apparatus and the destination node to include codes for directing the processor circuit to cause a call to be initiated using the mobile telephone network interface on a mobile telephone network.

49. (Original) A system for enabling roaming by a wireless apparatus, the system comprising the wireless apparatus of claim 38 and further comprising:

a routing controller; and

an access server comprising a processor circuit and a computer readable medium in communication with the processor circuit, the computer readable medium encoded with codes for directing the processor circuit of the access server to:

receive the access code request message from the wireless apparatus;

communicate with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel; and

transmit the access code reply message to the wireless apparatus.

50. (Previously Presented) A non-transitory computer readable medium having stored thereon computer executable codes for directing a processor circuit of a wireless device to establish communications with a destination node on a network, the codes comprising codes for directing the processor circuit to:

cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node;

cause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

cause the wireless device to receive an access code reply message comprising an access code identifying an Internet Protocol (IP) address based on the location identifier in the access code request message, the access code representing a communications channel of a

network element in the network through which communications between the wireless device and the destination node can be conducted, the communications channel being associated with the geographical location of the wireless device, the access code being distinct from the destination node identifier; and

cause the wireless device to use the access code comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node through the communications channel of the network element identified by the access code.

51. (Previously Presented) A method for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

in response to receiving the access code request message, causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being based on the location identifier of the access code request message received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmitting, to the wireless device, an access code reply message including the access code based on the location identifier, to cause the wireless device to use the access code to initiate communications with the destination node through the communications channel.

52. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a non-voice network.

53. (Original) The method of claim 51, wherein receiving the access code request message comprises receiving the access code request message as a Short Messaging Service (SMS) message.

54. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a voice network.

55. (Original) The method of claim 54, wherein receiving the access code request message on a voice network comprises receiving the access code request message as a Short Messaging Service (SMS) message.

56. (Original) The method of claim 51, wherein the routing controller is operably configured to route a call between the wireless device and the destination node when the wireless device uses the access code to establish communications between the wireless device and the destination node.

57. (Original) The method of claim 51, wherein causing the routing controller to produce the access code comprises causing the access code to be selected from a pool of access codes.

58. (Original) The method of claim 57 further comprising determining from the location identifier a local calling area associated with the wireless device and causing the access server to select an access code associated with a calling area matching the local calling area associated with the wireless device.

59. (Original) The method of claim 57, further comprising accessing a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the location identifier and determining a local calling area associated with the wireless device from the contents of the location field and selecting an access code associated with a calling area matching the local calling area associated with the wireless device.

60. (Original) The method of claim 51, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

61. (Original) The method of claim 51, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

62. (Original) The method of claim 51, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

63. (Original) The method of claim 57, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

64. (Previously presented) The method of claim 51, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, the method further comprising enabling communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

65. (Original) The method of claim 57, wherein at least one of the access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

66. (Original) The method of claim 65, further comprising enabling communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

67. (Original) The method of claim 51, wherein the access code request message includes a caller identifier and wherein the method further comprises associating the caller identifier included in the access code request message with the access code produced by the routing controller.

68. (Original) The method of claim 64, further comprising enabling the routing controller to facilitate communications in response to use of the access code by the wireless device

only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

69. (Original) The method of claim 67, further comprising associating the destination node identifier included in the access code request message with the access code produced by the routing controller.

70. (Original) The method of claim 69, wherein the associating the caller identifier and the destination node identifier with the selected access code occurs only when:

- a) the access code is not already associated with a destination node identifier; or
- b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

71. (Original) The method of claim 51, further comprising causing a timestamp to be associated with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and causing the timestamp to be included in the access code reply message transmitted to the wireless device.

72. (Currently amended) The method of ~~claim 70~~ claim 71, further comprising causing communications to be permitted between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired, and causing the communications to be prevented when the timestamp indicates the usability of the access code has expired.

73. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a non-voice network.

74. (Original) The method of claim 51, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

75. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a voice network.

76. (Original) The method of claim 75, wherein transmitting the access code reply message on a voice network comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

77. (Currently amended) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

means for receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

means for causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

means for transmitting an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communications channel on the gateway.

78. (Original) The apparatus of claim 77, wherein the means for receiving comprises a non-voice network interface for receiving the access code request message on a non-voice network.

79. (Original) The apparatus of claim 77, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

80. (Original) The apparatus of claim 77, wherein the means for receiving comprises means for receiving the access code request message on a voice network.

81. (Original) The apparatus of claim 80, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

82. (Original) The apparatus of claim 77, further comprising the routing controller and wherein routing controller is operably configured to route a call between the wireless device and the destination node.

83. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to select the access code from a pool of access codes.

84. (Original) The apparatus of claim 83, wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the location identifier and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

85. (Original) The apparatus of claim 83, further comprising:
a dialing profile associated with the wireless device, the dialing profile including a location field; and

wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device, when a local calling area associated with the wireless device cannot be determined from the location identifier.

86. (Original) The apparatus of claim 77, wherein the location identifier includes an Internet Protocol (IP) address of the wireless device in a wireless IP network.

87. (Original) The apparatus of claim 77, wherein the location identifier includes an identifier of a wireless voice signal station in wireless communication with the wireless device.

88. (Original) The apparatus of claim 77, wherein the location identifier includes a user-configured identifier of a location associated with the wireless device.

89. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

90. (Previously presented) The apparatus of claim 77, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

91. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

92. (Original) The apparatus of claim 91, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

93. (Original) The apparatus of claim 83, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier with the selected access code.

94. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in

response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

95. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

96. (Original) The apparatus of claim 95, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

- a) the access code is not already associated with a destination node identifier; or
- b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

97. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message transmitted to the wireless device.

98. (Original) The apparatus of claim 97, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates the usability of the access code has expired.

99. (Original) The apparatus of claim 77, wherein the means for transmitting comprises a non-voice network interface for transmitting the access code reply message on a non-voice network.

100. (Original) The apparatus of claim 77, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

101. (Original) The apparatus of claim 77, wherein the means for transmitting comprises means for transmitting the access code reply message on a voice network.

102. (Previously presented) The apparatus of claim 101, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

103. (Previously Presented) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

a processor circuit including at least one processor;

a network interface in communication with the processor circuit; and

a non-transitory computer readable medium having stored thereon computer executable codes for directing the at least one processor to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on

the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel.

104. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to receive include codes for directing the processor circuit to cause the access code request message to be received using the non-voice network interface on a non-voice network.

105. (Original) The apparatus of claim 103, wherein the codes includes codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

106. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to receive the access code request message on a voice network.

107. (Original) The apparatus of claim 106, wherein the codes include codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

108. (Original) The apparatus of claim 103 further comprising the routing controller.

109. (Previously presented) The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, wherein none of the access codes in the pool of access codes identifies a respective telephone number.

110. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to determine from the location identifier a local calling area associated with the wireless device and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

111. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to access a location field of a dialing profile associated with the wireless device when a

local calling area cannot be determined from the contents of the location identifier and to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

112. (Original) The apparatus of claim 103, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

113. (Original) The apparatus of claim 103, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

114. (Original) The apparatus of claim 103, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

115. (Original) The apparatus of claim 109, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

116. (Previously presented) The apparatus of claim 103, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

117. (Previously presented) The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, and wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

118. (Original) The apparatus of claim 117, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be

established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

119. (Previously presented) The apparatus of claim 108, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier included in the access code request message with an access code selected by the routing controller.

120. (Previously presented) The apparatus of claim 119, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in response to the access code used by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

121. (Original) The apparatus of claim 119, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

122. (Original) The apparatus of claim 121, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

- a) the access code is not already associated with another destination node identifier; or
- b) the access code is already associated with a destination node identifier, and a timeout value associated with the another destination node identifier has expired.

123. (Original) The apparatus of claim 122, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message.

124. (Previously presented) The apparatus of claim 103, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when a timestamp associated with the access code indicates that usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates that the usability of the access code has expired.

125. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein codes for directing the processor circuit to transmit include codes for directing the processor circuit to cause the access code reply message to be transmitted using the non-voice network interface on a non-voice network.

126. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

127. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted on a voice network.

128. (Original) The apparatus of claim 127, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

129. (Previously Presented) A non-transitory computer readable medium encoded with computer executable codes for directing a processor circuit of a wireless device to establish communications with a destination node, the codes comprising codes for directing the processor circuit to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code comprising an Internet Protocol (IP) network address identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device, wherein the Internet Protocol (IP) address of the access code is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway.

130. (Currently amended) A method of operating an apparatus for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device a request message including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device, wherein the location identifier comprises a first Internet Protocol (IP) address associated with the wireless device;

in response to receiving the request message, producing an access code identifying a second Internet Protocol (IP) address associated with an IP network communication device through which communications between the wireless device and the destination node can be conducted, wherein the access code is produced based on the location identifier received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the IP network communication device; and

transmitting a reply message including the access code to the wireless device, wherein the second Internet Protocol (IP) address is based on the location identifier and is used by the

wireless device to initiate communications with the destination node through ~~the~~ a communication channel on the IP network communication device.

131. (Previously presented) The method of claim 130 wherein the access code is produced based on the destination node identifier.

132. (Previously presented) The method of claim 131 wherein the destination node identifier comprises a phone number associated with the destination node.

133. (Previously presented) The method of claim 130 further comprising, if the destination node is a PSTN telephone on the public switched telephone network (PSTN), establishing communications from the wireless device to a communications supplier gateway operable to connect to the PSTN telephone via the public switched telephone network (PSTN).

134. (Previously presented) The method of claim 51, wherein causing the routing controller to produce the access code further comprises:

determining, from the location identifier, a current location of the wireless device; and
searching an access code association database table to identify an access code associated with the current location of the wireless device but not presently associated with communications to any destination node, to produce the access code transmitted in the access code reply message.

135. (Previously presented) The method of claim 1 wherein the access code request message is transmitted from the wireless device via a WiFi network and the access code reply message is received by the wireless device via the WiFi network.

136. (Previously presented) The method of claim 1, wherein the destination node identifier and the location identifier are transmitted at the same time.

137. (Previously Presented) The method of claim 51, wherein the access code is based on an area code corresponding to a location identified by the location identifier.

138. (Previously presented) The method of claim 51, wherein the access code reply message identifies an Internet Protocol (IP) network address of the communications channel through which the communications can be conducted, wherein the access code is useable by the wireless device to initiate the communications with the destination node through the communications channel.

139. (Previously presented) The apparatus of claim 103, wherein the access code reply message identifies an Internet Protocol (IP) network address associated with the communications channel through which the communications can be conducted, wherein the Internet Protocol (IP) network address is useable by the wireless device to initiate the communications with the destination node through the communications channel.

140. (Previously presented) The method of claim 1, further comprising:
(a) receiving, in the access code reply message, an Internet Protocol (IP) address; and
(b) establishing the communications between the wireless device and the destination node based on the Internet Protocol (IP) address received in the access code reply message.

141. (Previously presented) The method of claim 1, wherein the access code received in the access code reply message does not comprise a telephone number.

PRINTER RUSH
(PTO ASSISTANCE)

Application: **14035806**

Examiner: **Rahman**

GAU: **2411**

From:

Location: **RTFM**

Creation Date: **11/18/2020**

Week Date: **5/11/2020**

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449 ☐ IDS ☐ CLM ☐ IIFW/FWCLM ☐ SRFW ☐ DRW ☐ OATH ☒ 312 ☐ SPEC		

[RUSH] Message:

Please respond to the 11/17/2020 A.NA.

Thank you

[XRUSH] Response:

Initials: _____

Examiner: PUBS contact - James Leija, (703) 756-1197

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REV: AUG 16

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/035,806	09/24/2013	Johan Emil Viktor Björsell	4278-004.PCT.US.CON1	5562
20551	7590	11/27/2020	EXAMINER	
THORPE NORTH & WESTERN, LLP.			RAHMAN, M MOSTAZIR	
P.O. Box 1219				
SANDY, UT 84091-1219				
			ART UNIT	PAPER NUMBER
			2411	
			NOTIFICATION DATE	DELIVERY MODE
			11/27/2020	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):

patentdocket@tnw.com
warren.archibald@tnw.com

Response to Rule 312 Communication	Application No. 14/035,806	Applicant(s) Björzell et al.	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2411	AIA (FITF) Status No
-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -- 1. ☒ The amendment filed on <u>17 November 2020</u> under 37 CFR 1.312 has been considered, and has been: a) ☐ entered. b) ☒ entered as directed to matters of form not affecting the scope of the invention. c) ☐ disapproved because the amendment was filed after the payment of the issue fee. Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue. d) ☐ disapproved. See explanation below. e) ☐ entered in part. See explanation below. _____			
/M Mostazir Rahman/ Examiner, Art Unit 2411		/ANDREW LAI/ Supervisory Patent Examiner, Art Unit 2411	

PRINTER RUSH
(PTO ASSISTANCE)Application: **14035806**Examiner: **Rahman**GAU: **2411**

From:

Location: **RTFM**Creation Date: **11/18/2020**Week Date: **5/11/2020**

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☐ CLM		☐ Document Legibility
☐ IIFW/FWCLM		☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☐ Other
☐ OATH		
☒ 312	<u>11/17/2020</u>	
☐ SPEC		

[RUSH] Message:

Please respond to the 11/17/2020 A.NA.

Thank you

[XRUSH] Response:

A.NA dated 11/17/2020 has been considered and entered.

Initials: /M.R./

Examiner: PUBS contact - James Leija, (703) 756-1197

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Page 1/1

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ART UNIT: 2411	<u>CERTIFICATE OF MAILING</u> <u>UNDER 37 C.F.R. § 1.8</u> DATE OF DEPOSIT: <u>November 17, 2020</u> I hereby certify that this paper or fee (along with any paper or fee referred to as being attached or enclosed) is being submitted on the date indicated above via: ☒ EFS Web ☐ facsimile to _____ ☐ the United States Postal Service with sufficient postage as first class mail addressed to: Mail Stop _____, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. /Sean F. Parmenter/ Sean F. Parmenter
EXAMINER: M. Mostazir Rahman	
FIRST NAMED INVENTOR: Johan Emil Viktor Björsell	
SERIAL NO.: 14/035,806	
FILED: 9/24/2013	
CONF. NO.: 5562	
FOR: MOBILE GATEWAY	
DOCKET NO.: 4278-004.PCT.US.CON1	

THORPE NORTH & WESTERN, LLP
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P.O. Box 1219
Sandy, Utah 84091-1219

AMENDMENT AFTER NOTICE OF ALLOWANCE UNDER 37 C.F.R. § 1.312**AND****RESPONSE TO EXAMINER'S COMMENTS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Further to the Notice of Allowance, mailed September 18, 2020, and the Miscellaneous Communication mailed September 28, 2020, Applicant offers the following Amendment under 37 C.F.R. 1.312 and comments.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 26 of this paper.

Comments on Statement of Reasons for Allowance begin on page 27 of this paper.

OK TO ENTER: /M.R./

/M.R./ (11/19/2020)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björzell, Johan Emil Viktor
	Art Unit	2413
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 5 OF 11	Attorney Docket No.	SMARB19.004C1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	116	2009/0003535 A1	01-01-2009	Grabelsky et al.	
	117	2009/0129566 A1	05-21-2009	Feuer, Donald S.	
	118	2009/0135724 A1	05-28-2009	Zhang et al.	
	119	2009/0214000 A1	08-27-2009	Patel et al.	
	120	2009/0268615 A1	10-29-2009	Pelletier, Jeffrey P.	
	121	2009/0296900 A1	12-03-2009	Breen et al.	
	122	2010/0008345 A1	01-14-2010	Lebizay, Gerald	
	123	2010/0039946 A1	02-18-2010	Imbimbo et al.	
	124	2010/0105379 A1	04-29-2010	Bonner et al.	
	125	2010/0177671 A1	07-15-2010	Qiu et al.	
	126	2010/0246589 A1	09-30-2010	Pelletier, Jeffrey P.	
	127	2010/0272242 A1	10-28-2010	Croy et al.	
	128	2011/0013541 A1	01-20-2011	Croy et al.	
	129	2011/0153809 A1	06-23-2011	Ghanem et al.	
	130	2011/0176541 A1	07-21-2011	James, Anthony W.	
	131	2011/0201321 A1	08-18-2011	Bonner, Thomas W.	
	132	2011/0267986 A1	11-03-2011	Grabelsky et al.	
	133	2012/0014383 A1	01-19-2012	Geromel et al.	
	134	2012/0113981 A1	05-10-2012	Feuer, Donald S.	
	135	2012/0195415 A1	08-02-2012	Wyss et al.	
	136	2012/0250624 A1	10-04-2012	Lebizay, Gerald	
	137	2012/0282881 A1	11-08-2012	Mitchell, Don	
	138	2012/0314699 A1	12-13-2012	Qiu et al.	
	139	2013/0272297 A1	10-17-2013	AT&T Intellectual Property I, L.P.	Breen et al.
	140	2014/0101749 A1	04-10-2014	Reckstar Consortium US LP	Yuan
	141	2014/0211789 A1	07-31-2014	Centre One	Feuer

Change(s) applied
to document,

/M.H.E./

7/16/2020

Examiner Signature	/M Mostazir Rahman/	Date Considered	11/09/2015
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björzell, Johan Emil Viktor
	Art Unit	2413
	Examiner	Rahman, M. Mostazir
SHEET 3 OF 11	Attorney Docket No.	SMARB19.004C1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	58	8,605,869 B1	12-10-2013	Mobarak et al.	
	59	8,607,323 B2	12-10-2013	Yuan, Wei	
	60	8,611,354 B2	12-17-2013	Keränen et al.	
	61	8,625,578 B2	01-07-2014	Roy et al.	
	62	8,724,643 B2	05-13-2014	Feuer, Donald S.	
	63	8,750,290 B2	06-10-2014	Vance et al.	
	64	8,763,081 B2	06-24-2014	Bogdanovic et al.	
	65	8,768,951 B2	07-01-2014	Crago, William Barry	
	66	8,774,171 B2	07-08-2014	Mitchell, Don	
	67	8,804,705 B2	08-12-2014	~~Vopath Networks, Inc.~~	Fangman et al.
	68	2001/0052081 A1	12-13-2001	McKibben et al.	
	69	2002/0002041 A1	01-03-2002	Lindgren et al.	
	70	2002/0018445 A1	02-14-2002	Kobayashi, Toshihiko	
	71	2002/0141352 A1	10-03-2002	Fangman et al.	
	72	2003/0012196 A1	01-16-2003	Ramakrishnan, Kadangode K.	
	73	2003/0095539 A1	05-22-2003	Feuer, Donald S.	
	74	2003/0179747 A1	09-25-2003	Pyke et al.	
	75	2003/0219103 A1	11-27-2003	Rao et al.	
	76	2004/0034793 A1	02-19-2004	Yuan, Wei	
	77	2004/0203582 A1	10-14-2004	Dorenbosch et al.	
	78	2004/0203565 A1	10-14-2004	Chin et al.	
	79	2005/0063519 A1	03-24-2005	James, Anthony W.	
	80	2005/0188081 A1	08-25-2005	Gibson et al.	
	81	2005/0190892 A1	09-01-2005	Dawson et al.	
	82	2005/0202799 A1	09-15-2005	Rollender, Douglas Harold	
	83	2005/0287979 A1	12-29-2005	Rollender, Douglas Harold	
	84	2006/0007940 A1	01-12-2006	Sollee et al.	
	85	2006/0013266 A1	01-19-2006	Vega-Garcia et al.	
	86	2006/0030290 A1	02-09-2006	Rudolf et al.	

Change(s) applied
to document,
/M.H.E./
7/16/2020

Examiner Signature	/M Mostazir Rahman/	Date Considered	11/09/2015
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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To: patentdocket@tnw.com,warren.archibald@tnw.com,
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Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 20551

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Application	Document	Mailroom Date	Attorney Docket No.
14035806	N271	11/27/2020	4278-004.PCT.US.CON1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	9/24/2013
	First Named Inventor	Johan Emil Viktor Björsell
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	M. Mostazir Rahman
SHEET 2 OF 4	Attorney Docket No.	4278-004.PCT.US.CON1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	29	6,870,827 B1	03-22-2005	Voit et al.	
	30	6,928,479 B1	08-09-2005	Meyer et al.	
	31	6,944,272 B1	09-13-2005	Thomas	
	32	6,954,455 B1	10-11-2005	Al Hakim et al.	
	33	7,016,343 B1	03-21-2006	Mermel et al.	
	34	7,047,561 B1	05-16-2006	Lee, Michael	
	35	7,110,523 B2	09-19-2006	Gagle et al.	
	36	7,346,156 B1	03-18-2008	Choupak et al.	
	37	7,359,368 B1	04-15-2008	Pearce	
	38	7,412,049 B1	08-12-2008	Koch	
Change(s) applied to document, /J.H./ 12/3/2020	39	7,453,990 B2 11/2008	~~08-11-2005~~	Welenson et al.	
	40	7,616,753 B2	11-10-2009	Cope et al.	
	41	7,765,263 B1	07-27-2010	Alfke	
	42	7,836,136 B1	11-16-2010	Alfke	
	43	7,916,846 B1	03-29-2011	Farah	
	44	7,822,188 B2	10-26-2010	Kirchhoff et al.	
	45	8,036,362 B1	10-11-2011	Skinner	
	46	8,306,021 B2	11-06-2012	Lawson et al.	
	47	8,339,997 B2	12-25-2012	Dye et al.	
	48	8,351,591 B2	01-08-2013	Kirchhoff et al.	
	49	9,094,525 B2	07-28-2015	Dye et al.	
	50	9,253,332 B2	02-02-2016	Dye et al.	
	51	8,542,815 B2	09-24-2013	Perreault et al.	
	52	9,179,005 B2	11-03-2015	Perreault et al.	
	53	9,537,762 B2	01-03-2017	Perreault et al.	
	54	9,813,330 B2	11-07-2017	Perreault et al.	
	55	9,826,002 B2	11-21-2017	Perreault et al.	
	56	9,935,872 B2	04-03-2018	Perreault et al.	
	57	9,948,549 B2	04-17-2018	Perreault et al.	

Examiner Signature /M Mostazir Rahman/	Date Considered 09/07/2020
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/035,806	12/29/2020	10880721	4278-004.PCT.US.CON1	5562

20551 7590 12/09/2020
THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

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 504 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):

Johan Emil Viktor Björnell, Vancouver, CANADA;
VOIP-PAL.COM, INC., Bellevue, WA;
Maksym Sobolyev, New Westminster, CANADA;
Pentti Kalevi Huttunen, Vancouver, CANADA;
Emil Malak, Vancouver, CANADA;

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IR103 (Rev. 10/09)

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Application	Document	Mailroom Date	Attorney Docket No.
14035806	ISSUE.NTF	12/09/2020	4278-004.PCT.US.CON1

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☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT APPLE, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

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☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT AT&T, INC. AT&T SERVICES, INC AT&T MOBILITY, LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
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☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT Verizon Communications, Inc.; Cellco Partnership dba Verizon Wireless; Verizon Services, Corp; Verizon Business Network Services, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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DOCKET NO.	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT T-MOBILE US, INC. and T-MOBILE USA, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
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DOCKET NO. 6:21-cv-665	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT FACEBOOK, INC. AND WHATSAPP, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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DOCKET NO. 6:21-cv-667	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT GOOGLE, LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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DOCKET NO. 6:21-cv-668	DATE FILED 6/25/2021	U.S. DISTRICT COURT Western District of Texas, Waco Division
PLAINTIFF VOIP-PAL.COM, INC.		DEPENDANT AMAZON.COM, INC. AMAZON.COM SERVICES LLC; and AMAZON WEB SERVICES, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8630234	1/14/2014	VOIP-PAL.COM, INC.
2 10880721	12/29/2020	VOIP-PAL.COM, INC.
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