Patents and Applications in Petitioner's District Court Invalidity Contentions (EX2010)

No.	Pat. 10,339,520 (EX2010 at 7-10)	Pat. 10,682,820 (EX2010 at 43-46)	Pat. 10,810,579 (EX2010 at 74-77)	Pat. 11,176,538 (EX2010 at 127-30)	Pat. 11,328,286 (EX2010 at 176-79)	Pat. 11,620,634 (EX2010 at 207-10)
1	EP 0 949 595 A2	EP 0 949 595 A2	EP 0 949 595 A2	EP 0 949 595 A2	EP 0 949 595 A2	EP 0 949 595 A2
2	EP 1 004 992 A2	EP 1 004 992 A2	EP 1 004 992 A2	EP 1 004 992 A2	EP 1 004 992 A2	EP 1 004 992 A2
3	EP 1 223 565 A1	EP 1 223 565 A1	EP 1 223 565 A1	EP 1 223 565 A1	EP 1 223 565 A1	EP 1 223 565 A1
4	EP 2 302 882 A1	EP 2 302 882 A1	EP 2 302 882 A1	EP 2 302 882 A1	EP 2 302 882 A1	EP 2 302 882 A1
5	EP 2 407 919 A1	EP 2 407 919 A1	EP 2 407 919 A1	EP 2 407 919 A1	EP 2 407 919 A1	EP 2 407 919 A1
6	JP 2004-13728	JP 2004-13728	JP 2004-13728	JP 2004-13728	JP 2004-13728	JP 2004-13728
7	KR 20110039946A	KR 20110039946A	KR 20110039946A	KR 20110039946A	KR 20110039946A	KR 20110039946A
8	KR 20120076502A	KR 20120076502A	KR 20120076502A	KR 20120076502A	KR 20120076502A	KR 20120076502A
9	US 5,744,787	US 5,744,787	US 5,744,787	US 5,744,787	US 5,744,787	US 5,744,787
10	US 5,883,810	US 5,883,810	US 5,883,810	US 5,883,810	US 5,883,810	US 5,883,810
11	US 5,963,924	US 5,963,924	US 5,963,924	US 5,963,924	US 5,963,924	US 5,963,924
12	US 6,005,942	US 6,005,942	US 6,005,942	US 6,005,942	US 6,005,942	US 6,005,942
13	US 6,076,075	US 6,076,075	US 6,076,075	US 6,076,075	US 6,076,075	US 6,076,075
14	US 6,105,008	US 6,105,008	US 6,105,008	US 6,105,008	US 6,105,008	US 6,105,008
15	US 6,119,946	US 6,119,946	US 6,119,946	US 6,119,946	US 6,119,946	US 6,119,946
16	US 6,233,683	US 6,233,683	US 6,233,683	US 6,233,683	US 6,233,683	US 6,233,683
17	US 6,282,522 B1	US 6,282,522 B1	US 6,282,522 B1	US 6,282,522 B1	US 6,282,522 B1	US 6,282,522 B1
18	US 6,330,978 B1	US 6,330,978 B1	US 6,330,978 B1	US 6,330,978 B1	US 6,330,978 B1	US 6,330,978 B1
19	US 6,450,407 B1	US 6,450,407 B1	US 6,450,407 B1	US 6,450,407 B1	US 6,450,407 B1	US 6,450,407 B1
20	US 6,481,632 B2	US 6,481,632 B2	US 6,481,632 B2	US 6,481,632 B2	US 6,481,632 B2	US 6,481,632 B2
21	US 6,748,367 B1	US 6,748,367 B1	US 6,748,367 B1	US 6,748,367 B1	US 6,748,367 B1	US 6,748,367 B1
22	US 6,776,332 B2	US 6,776,332 B2	US 6,776,332 B2	US 6,776,332 B2	US 6,776,332 B2	US 6,776,332 B2
23	US 7,127,236 B2	US 7,127,236 B2	US 7,127,236 B2	US 7,127,236 B2	US 7,127,236 B2	US 7,127,236 B2
24	US 7,177,848 B2	US 7,177,848 B2	US 7,177,848 B2	US 7,177,848 B2	US 7,177,848 B2	US 7,177,848 B2
25	US 7,725,369 B2	US 7,725,369 B2	US 7,725,369 B2	US 7,725,369 B2	US 7,725,369 B2	US 7,725,369 B2
26	US 7,908,216 B1	US 7,908,216 B1	US 7,908,216 B1	US 7,908,216 B1	US 7,908,216 B1	US 7,908,216 B1

No.	Pat. 10,339,520 (EX2010 at 7-10)	Pat. 10,682,820 (EX2010 at 43-46)	Pat. 10,810,579 (EX2010 at 74-77)	Pat. 11,176,538 (EX2010 at 127-30)	Pat. 11,328,286 (EX2010 at 176-79)	Pat. 11,620,634 (EX2010 at 207-10)
27	US 8,095,113 B2	US 8,095,113 B2	US 8,095,113 B2	US 8,095,113 B2	US 8,095,113 B2	US 8,095,113 B2
28	US 8,255,323 B1	US 8,255,323 B1	US 8,255,323 B1	US 8,255,323 B1	US 8,255,323 B1	US 8,255,323 B1
29	US 8,930,274 B1	US 8,930,274 B1	US 8,930,274 B1	US 8,930,274 B1	US 8,930,274 B1	US 8,930,274 B1
30	US 9,008,616 B2	US 9,008,616 B2	US 9,008,616 B2	US 9,008,616 B2	US 9,008,616 B2	US 9,008,616 B2
31	US 9,600,808 B1	US 9,600,808 B1	US 9,600,808 B1	US 9,600,808 B1	US 9,600,808 B1	US 9,600,808 B1
32	US 9,721,319 B2	US 9,721,319 B2	US 9,721,319 B2	US 9,721,319 B2	US 9,721,319 B2	US 9,721,319 B2
33	US 9,898,728 B2	US 9,898,728 B2	US 9,898,728 B2	US 9,898,728 B2	US 9,898,728 B2	US 9,898,728 B2
34	US 10,121,144 B2	US 10,121,144 B2	US 10,121,144 B2	US 10,121,144 B2	US 10,121,144 B2	US 10,121,144 B2
35	US 10,380,573 B2	US 10,380,573 B2	US 10,380,573 B2	US 10,380,573 B2	US 10,380,573 B2	US 10,380,573 B2
36	US 10,445,723 B2	US 10,445,723 B2	US 10,445,723 B2	US 10,445,723 B2	US 10,445,723 B2	US 10,445,723 B2
37	US 10,510,056 B2	US 10,510,056 B2	US 10,510,056 B2	US 10,510,056 B2	US 10,510,056 B2	US 10,510,056 B2
38	US 11,042,846 B2	US 11,042,846 B2	US 11,042,846 B2	US 11,042,846 B2	US 11,042,846 B2	US 11,042,846 B2
39	US 11,068,875 B2	US 11,068,875 B2	US 11,068,875 B2	US 11,068,875 B2	US 11,068,875 B2	US 11,068,875 B2
40	US 11,392,937 B2	US 11,392,937 B2	US 11,392,937 B2	US 11,392,937 B2	US 11,392,937 B2	US 11,392,937 B2
41	US 2003/0222152 A1	US 2003/0222152 A1	US 2003/0222152 A1	US 2003/0222152 A1	US 2003/0222152 A1	US 2003/0222152 A1
42	US 2004/0127256 A1	US 2004/0127256 A1	US 2004/0127256 A1	US 2004/0127256 A1	US 2004/0127256 A1	US 2004/0127256 A1
43	US 2007/0095892 A1	US 2007/0095892 A1	US 2007/0095892 A1	US 2007/0095892 A1	US 2007/0095892 A1	US 2007/0095892 A1
44	US 2008/0040285 A1	US 2008/0040285 A1	US 2008/0040285 A1	US 2008/0040285 A1	US 2008/0040285 A1	US 2008/0040285 A1
45	US 2009/0030845 A1	US 2009/0030845 A1	US 2009/0030845 A1	US 2009/0030845 A1	US 2009/0030845 A1	US 2009/0030845 A1
46	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1
47	US 2005/0043997 A1	US 2005/0043997 A1	US 2005/0043997 A1	US 2005/0043997 A1	US 2005/0043997 A1	US 2005/0043997 A1
48	US 2005/0252961 A1	US 2005/0252961 A1	US 2005/0252961 A1	US 2005/0252961 A1	US 2005/0252961 A1	US 2005/0252961 A1

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49	US 2007/0045403 A1	US 2007/0045403 A1	US 2007/0045403 A1	US 2007/0045403 A1	US 2007/0045403 A1	US 2007/0045403 A1
50	US 2007/0114274 A1	US 2007/0114274 A1	US 2007/0114274 A1	US 2007/0114274 A1	US 2007/0114274 A1	US 2007/0114274 A1
51	US 2007/0208671 A1	US 2007/0208671 A1	US 2007/0208671 A1	US 2007/0208671 A1	US 2007/0208671 A1	US 2007/0208671 A1
52	US 2007/0244811 A1	US 2007/0244811 A1	US 2007/0244811 A1	US 2007/0244811 A1	US 2007/0244811 A1	US 2007/0244811 A1
53	US 2008/0078831 A1	US 2008/0078831 A1	US 2008/0078831 A1	US 2008/0078831 A1	US 2008/0078831 A1	US 2008/0078831 A1
54	US 2008/0222047 A1	US 2008/0222047 A1	US 2008/0222047 A1	US 2008/0222047 A1	US 2008/0222047 A1	US 2008/0222047 A1
55	US 2008/0275779 A1	US 2008/0275779 A1	US 2008/0275779 A1	US 2008/0275779 A1	US 2008/0275779 A1	US 2008/0275779 A1
56	US 2009/0070272 A1	US 2009/0070272 A1	US 2009/0070272 A1	US 2009/0070272 A1	US 2009/0070272 A1	US 2009/0070272 A1
57	US 2009/0144161 A1	US 2009/0144161 A1	US 2009/0144161 A1	US 2009/0144161 A1	US 2009/0144161 A1	US 2009/0144161 A1
58	US 2009/0200371 A1	US 2009/0200371 A1	US 2009/0200371 A1	US 2009/0200371 A1	US 2009/0200371 A1	US 2009/0200371 A1
59	US 2009/0210308A1	US 2009/0210308A1	US 2009/0210308A1	US 2009/0210308A1	US 2009/0210308A1	US 2009/0210308A1
60	US 2009/0276347 A1	US 2009/0276347 A1	US 2009/0276347 A1	US 2009/0276347 A1	US 2009/0276347 A1	US 2009/0276347 A1
61	US 2009/0291634 A1	US 2009/0291634 A1	US 2009/0291634 A1	US 2009/0291634 A1	US 2009/0291634 A1	US 2009/0291634 A1
62	US 2010/0078471 A1	US 2010/0078471 A1	US 2010/0078471 A1	US 2010/0078471 A1	US 2010/0078471 A1	US 2010/0078471 A1
63	US 2010/0078472 A1	US 2010/0078472 A1	US 2010/0078472 A1	US 2010/0078472 A1	US 2010/0078472 A1	US 2010/0078472 A1
64	US 2010/0082481 A1	US 2010/0082481 A1	US 2010/0082481 A1	US 2010/0082481 A1	US 2010/0082481 A1	US 2010/0082481 A1

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66	US 2010/0088227 A1	US 2010/0088227 A1	US 2010/0088227 A1	US 2010/0088227 A1	US 2010/0088227 A1	US 2010/0088227 A1
67	US 2010/0125508 A1	US 2010/0125508 A1	US 2010/0125508 A1	US 2010/0125508 A1	US 2010/0125508 A1	US 2010/0125508 A1
68	US 2010/0125509 A1	US 2010/0125509 A1	US 2010/0125509 A1	US 2010/0125509 A1	US 2010/0125509 A1	US 2010/0125509 A1
69	US 2010/0127083 A1	US 2010/0127083 A1	US 2010/0127083 A1	US 2010/0127083 A1	US 2010/0127083 A1	US 2010/0127083 A1
70	US 2011/0010277 A1	US 2011/0010277 A1	US 2011/0010277 A1	US 2011/0010277 A1	US 2011/0010277 A1	US 2011/0010277 A1
71	US 2011/0022472 A1	US 2011/0022472 A1	US 2011/0022472 A1	US 2011/0022472 A1	US 2011/0022472 A1	US 2011/0022472 A1
72	US 2011/0078031 A1	US 2011/0078031 A1	US 2011/0078031 A1	US 2011/0078031 A1	US 2011/0078031 A1	US 2011/0078031 A1
73	US 2011/0082772 A1	US 2011/0082772 A1	US 2011/0082772 A1	US 2011/0082772 A1	US 2011/0082772 A1	US 2011/0082772 A1
74	US 2011/0101093 A1	US 2011/0101093 A1	US 2011/0101093 A1	US 2011/0101093 A1	US 2011/0101093 A1	US 2011/0101093 A1
75	US 2011/0112918 A1	US 2011/0112918 A1	US 2011/0112918 A1	US 2011/0112918 A1	US 2011/0112918 A1	US 2011/0112918 A1
76	US 2011/0140841 A1	US 2011/0140841 A1	US 2011/0140841 A1	US 2011/0140841 A1	US 2011/0140841 A1	US 2011/0140841 A1
77	US 2011/0153498A1	US 2011/0153498A1	US 2011/0153498A1	US 2011/0153498A1	US 2011/0153498A1	US 2011/0153498A1
78	US 2011/0173060 A1	US 2011/0173060 A1	US 2011/0173060 A1	US 2011/0173060 A1	US 2011/0173060 A1	US 2011/0173060 A1
79	US 2011/0173121 A1	US 2011/0173121 A1	US 2011/0173121 A1	US 2011/0173121 A1	US 2011/0173121 A1	US 2011/0173121 A1
80	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1	US 2011/0184867 A1

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81	US 2011/0191161 A1	US 2011/0191161 A1	US 2011/0191161 A1	US 2011/0191161 A1	US 2011/0191161 A1	US 2011/0191161 A1
82	US 2011/0191177 A1	US 2011/0191177 A1	US 2011/0191177 A1	US 2011/0191177 A1	US 2011/0191177 A1	US 2011/0191177 A1
83	US 2011/0238573 A1	US 2011/0238573 A1	US 2011/0238573 A1	US 2011/0238573 A1	US 2011/0238573 A1	US 2011/0238573 A1
84	US 2012/0116902 A1	US 2012/0116902 A1	US 2012/0116902 A1	US 2012/0116902 A1	US 2012/0116902 A1	US 2012/0116902 A1
85	US 2012/0116976 A1	US 2012/0116976 A1	US 2012/0116976 A1	US 2012/0116976 A1	US 2012/0116976 A1	US 2012/0116976 A1
86	US 2012/0143754 A1	US 2012/0143754 A1	US 2012/0143754 A1	US 2012/0143754 A1	US 2012/0143754 A1	US 2012/0143754 A1
87	US 2012/0150687 A1	US 2012/0150687 A1	US 2012/0150687 A1	US 2012/0150687 A1	US 2012/0150687 A1	US 2012/0150687 A1
88	US 2012/0191612 A1	US 2012/0191612 A1	US 2012/0191612 A1	US 2012/0191612 A1	US 2012/0191612 A1	US 2012/0191612 A1
89	US 2012/0191615 A1	US 2012/0191615 A1	US 2012/0191615 A1	US 2012/0191615 A1	US 2012/0191615 A1	US 2012/0191615 A1
90	US 2012/0205443 A1	US 2012/0205443 A1	US 2012/0205443 A1	US 2012/0205443 A1	US 2012/0205443 A1	US 2012/0205443 A1
91	US 2012/0310760 A1	US 2012/0310760 A1	US 2012/0310760 A1	US 2012/0310760 A1	US 2012/0310760 A1	US 2012/0310760 A1
92	US 2013/0013499 A1	US 2013/0013499 A1	US 2013/0013499 A1	US 2013/0013499 A1	US 2013/0013499 A1	US 2013/0013499 A1
93	US 2013/0024371 A1	US 2013/0024371 A1	US 2013/0024371 A1	US 2013/0024371 A1	US 2013/0024371 A1	US 2013/0024371 A1
94	US 2013/0085941 A1	US 2013/0085941 A1	US 2013/0085941 A1	US 2013/0085941 A1	US 2013/0085941 A1	US 2013/0085941 A1
95	US 2013/0159186 A1	US 2013/0159186 A1	US 2013/0159186 A1	US 2013/0159186 A1	US 2013/0159186 A1	US 2013/0159186 A1
96	US 2013/0166441 A1	US 2013/0166441 A1	US 2013/0166441 A1	US 2013/0166441 A1	US 2013/0166441 A1	US 2013/0166441 A1

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98	US 2013/0262317 A1	US 2013/0262317 A1	US 2013/0262317 A1	US 2013/0262317 A1	US 2013/0262317 A1	US 2013/0262317 A1
99	US 2013/0297509 A1	US 2013/0297509 A1	US 2013/0297509 A1	US 2013/0297509 A1	US 2013/0297509 A1	US 2013/0297509 A1
100	US 2014/0229375 A1	US 2014/0229375 A1	US 2014/0229375 A1	US 2014/0229375 A1	US 2014/0229375 A1	US 2014/0229375 A1
101	US 2014/0344153 A1	US 2014/0344153 A1	US 2014/0344153 A1	US 2014/0344153 A1	US 2014/0344153 A1	US 2014/0344153 A1
102	US 2015/0058191 A1	US 2015/0058191 A1	US 2015/0058191 A1	US 2015/0058191 A1	US 2015/0058191 A1	US 2015/0058191 A1
103	US 2015/0073983 A1	US 2015/0073983 A1	US 2015/0073983 A1	US 2015/0073983 A1	US 2015/0073983 A1	US 2015/0073983 A1
104	US 2015/0178724 A1	US 2015/0178724 A1	US 2015/0178724 A1	US 2015/0178724 A1	US 2015/0178724 A1	US 2015/0178724 A1
105	US 2015/0180836A1	US 2015/0180836A1	US 2015/0180836A1	US 2015/0180836A1	US 2015/0180836A1	US 2015/0180836A1
106	US 2015/0348002 A1	US 2015/0348002 A1	US 2015/0348002 A1	US 2015/0348002 A1	US 2015/0348002 A1	US 2015/0348002 A1
107	US 2016/0042356 A1	US 2016/0042356 A1	US 2016/0042356 A1	US 2016/0042356 A1	US 2016/0042356 A1	US 2016/0042356 A1
108	US 2016/0057619 A1	US 2016/0057619 A1	US 2016/0057619 A1	US 2016/0057619 A1	US 2016/0057619 A1	US 2016/0057619 A1
109	US 2016/0253669 A1	US 2016/0253669 A1	US 2016/0253669 A1	US 2016/0253669 A1	US 2016/0253669 A1	US 2016/0253669 A1
110	US 2016/0275505 A1	US 2016/0275505 A1	US 2016/0275505 A1	US 2016/0275505 A1	US 2016/0275505 A1	US 2016/0275505 A1
111	US 2016/0321653 A1	US 2016/0321653 A1	US 2016/0321653 A1	US 2016/0321653 A1	US 2016/0321653 A1	US 2016/0321653 A1
112	WO 2010/037218 A1	WO 2010/037218 A1	WO 2010/037218 A1	WO 2010/037218 A1	WO 2010/037218 A1	WO 2010/037218 A1

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113	WO 2010/039337 A2	WO 2010/039337 A2	WO 2010/039337 A2	WO 2010/039337 A2	WO 2010/039337 A2	WO 2010/039337 A2
114	WO 2012/011054 A1	WO 2012/011054 A1	WO 2012/011054 A1	WO 2012/011054 A1	WO 2012/011054 A1	WO 2012/011054 A1
115	WO 2012/154915 A1	WO 2012/154915 A1	WO 2012/154915 A1	WO 2012/154915 A1	WO 2012/154915 A1	WO 2012/154915 A1
116	WO 2013/155627 A1	WO 2013/155627 A1	WO 2013/155627 A1	WO 2013/155627 A1	WO 2013/155627 A1	WO 2013/155627 A1
117	Patent Application 61/899,734	Patent Application 61/899,734	Patent Application 61/899,734	Patent Application 61/899,734	Patent Application 61/899,734	Patent Application 61/899,734
118	Patent Application 61/905,035	Patent Application 61/905,035	Patent Application 61/905,035	Patent Application 61/905,035	Patent Application 61/905,035	Patent Application 61/905,035
119	Patent Application 61/921,688	Patent Application 61/921,688	Patent Application 61/921,688	Patent Application 61/921,688	Patent Application 61/921,688	Patent Application 61/921,688

Printed Publications in Petitioner's District Court Invalidity Contentions (EX2010)

No.	Printed Publications for Each of the Six Asserted Patents (EX2010 at 10-14, 46-50, 77-81, 130-34, 179-83, 210-14)
1	"A Primer to the Implementation of Smrt Card Management and Related Systems," Version 1.0
2	About Us | Venmo
3	"An Introduction to Java Card Technology – Part 1"
4	"An Introduction to Java Card Technology – Part 2, The Java Card Applet"
5	"An Introduction to Java Card Technology – Part 3, The Smart Card Host Application"
6	"An Investigation into Electronic Commerce Frauds and their Security Implications"
7	Apple Press Release: "Apple Announces Apple Pay"
8	Card on File Tokenization | Mastercard Developers
9	"Contactless Payment Security Questions & Answers"
10	E-ink on Credit Cards will do Away with PINs (video)
11	Emue – a Revolution in Authentication
12	"EMV Card Personalization Specification," Version 1.0
13	"EMV Integrated Circuit Card Specifications for Payment Systems," Book 1, Application Independent ICC to Terminal Interface Requirements, Version 4.3
14	"EMV Integrated Circuit Card Specifications for Payment Systems," Book 2, Security and Key Management, Version 4.1
15	"EMV Integrated Circuit Card Specifications for Payment Systems," Book 2, Security and Key Management, Version 4.3
16	"EMV Integrated Circuit Card Specifications for Payment Systems," Book 3, Application Specification, Version 4.1
17	"EMV Integrated Circuit Card Specifications for Payment Systems," Book 3, Application Specification, Version 4.3
18	"EMV Integrated Circuit Card Specifications for Payment Systems," Book 4, Cardholder, Attendant, and Acquirer Interface Requirements, Version 4.3
19	For Businesses: Payment Technologies – Products & Platforms
20	For Businesses: Payment Technologies – Visa Cash
21	For Businesses: Payment Technologies – Visa Smart debit and Visa Smart Credit
22	GlobalPlatform: a Dynamic and Secure
23	GlobalPlatform Card Security Requirements Specification
24	GlobalPlatform Card Specification Tutorial

No.	Printed Publications for Each of the Six Asserted Patents (EX2010 at 10-14, 46-50, 77-81, 130-34, 179-83, 210-14)
25	GlobalPlatform Technical Overview
26	GlobalPlatform – Global Consensus for a Connected Planet
27	GlobalPlatform – Implementations – Financial
28	GlobalPlatform – Implementations – Mobile Telecom
29	GlobalPlatform – Implementations – Retail
30	GlobalPlatform – Implementations – Transit
31	GlobalPlatform – Interoperability and Security with GlobalPlatform
32	GlobalPlatform – Introduction to GlobalPlatform Technology
33	GlobalPlatform – Overview
34	GlobalPlatform – The Cross-Industry Approach to Smart Card Standards
35	GlobalPlatform – The Platform for a Multi- application Environment
36	GlobalPlatform – Towards the Next Generation of GlobalPlatform Specifications
37	GlobalPlatform Specifications: The Solution for an Emerging Market
38	GlobalPlatform Specifications Archive – Technology Document Library
39	GlobalPlatform: a Dynamic and Secure Pre and Post Issuance Solution – Cartes 2002
40	Google Wallet and the New Retail Ecosystem
41	Government Smart Card Handbook
42	Government Smart Card Handbook
43	Implementing Electronic Card Payment Systems
44	“Interoperability in Electronic Payments: Lessons and Opportunities”
45	“Investigating Mobile Payment: Supporting Technologies, Methods, and Use”
46	“Java Card™ 2.2 Off-Card Verifier” White Paper
47	Java Card for ePayment Applications
48	“Java Card™ Platform Security” Technical White Paper
49	Java Card Platform: A Week in the Life of Jack Link
50	Java Card Questions and Answers with Zhiqun Chen
51	Java Card Technology Datasheet
52	Java Card Technology Examples

No.	Printed Publications for Each of the Six Asserted Patents (EX2010 at 10-14, 46-50, 77-81, 130-34, 179-83, 210-14)
53	Java Card Technology FAQs
54	Java Card Technology for Smart Cards: Architecture and Programmer's Guide
55	Java Card Technology for Smart Cards: Architecture and Programmer's Guide Book information
56	"Java Card Technology Overview," Chapter 3
57	Java Card1_Fig-3
58	Java Card1_Fig-4
59	Java Card1_Fig-5
60	Java Card1_Fig-7
61	Java Card1_Fig-9
62	Java Card1_Fig-12
63	Java on Smart Cards: Programming and Security: First International Workshop, JavaCard 2000
64	JavaCard – From Hyper to Reality
65	JavaCard – Redistribution and Use in Source and Binary Forms License
66	JCOP V2.4.1 Secure Smart Card Controller, Rev. 3.2
67	JCOP20 Technical Brief, Revision 2.3
68	JCOP30 Technical Brief, Revision 2.3
69	MagTek CEO: "Dynamic Data is the Core of Security" [Transcript]
70	MagTek Launches QwickPAY, the Innovative Secure Mobile Payments Service, Into the Android Marketplace
71	MagTek Introduces Qwick Code Mobile Wallet
72	Mastercard Virtual Card Tokens
73	MDES Token Connect | Mastercard Developers
74	Mobile Payment Services in South Africa
75	NXP – News Center – Infocus Archive
76	One-Click Payments by 2030 With Tokenization
77	PCI Data Security Standard (PCI DSS), Version 2.0
78	PCI – Payment Card Industry (PCI) Data Security Standard, Version 2.0
79	PHB Development, Kurt Salmon, "Mobile Payments … a 'Southern' Revolution!"
80	Qwick Codes Mobile Wallet for IOS

No.	Printed Publications for Each of the Six Asserted Patents (EX2010 at 10-14, 46-50, 77-81, 130-34, 179-83, 210-14)
81	"Radio-Frequency Identification (RFID): A Focus on Information Security and Privacy," OECD Digital Economy Papers, No. 138
82	"SE vs. HCE: What is More Secure for NFC Mobile Payments?"
83	Techie Visa Card Features Buttons and Screen to Generate CCV Dynamically
84	The Complete Guide to Payments Tokenization
85	The Rise of Async Work [Podcast] – Fast Company
86	Venmo, Just Say "Venmo Me"
87	Venmo – Wikipedia
88	Visa and Emue Technologies deploy cards with built-in one-time password generator
89	Visa Best Practices for Tokenization Version 1.0
90	Visa CodeSure Gets Commercial Green Light
91	Visa Invests in Authentication Outfit Emue
92	Visa Token Service Momentum, Annual Update 2022
93	Visa Token Service – Product Fact Sheet
94	Visa Token Service – Visa
95	What is Venmo, how does it work, and is it safe to use?
96	What is Venmo? – NerdWallet
97	What is Venmo: How it Works
98	Qwick Codes Demo video
99	Wi Wallet Mobile Payments video
100	Visa Pin System 2 Credit Cards video
101	Smart Dongle Credit Card With e-ink Display video
102	Credit Card with E-ink Display Keep You Safe While Online Shopping video
103	Mastercard Token Authentication Service lets Shoppers Create Passkeys for Secure Authentication video
104	Mastercard Tokenization video

System Art in Petitioner's District Court Invalidity Contentions (EX2010)

No.	Systems for Each of the Six Asserted Patents (EX2010 at 15-16, 51, 82, 135, 184-85, 215-16)
1	Apple Pay
2	Google Wallet
3	Venmo
4	Visa Payment Tokens
5	Mastercard Payment Tokens
6	Qwick Codes Mobile Wallet
7	wiWallet
8	emue Smart Card
9	Smart Dongle Credit Card
10	VivoTech systems
11	Square Systems
12	Starbucks Mobile Application
13	PayPal and PayPal Mobile
14	Venmo
15	Cake POS and payment systems
16	Toast POS and payment systems
17	MiFare
18	SmartMX
19	JCOP OS
20	Global Platform
21	JavaCard
22	LevelUp