

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 October 2006 (05.10.2006)

PCT

(10) International Publication Number
WO 2006/105092 A3

- (51) International Patent Classification:
G06K 19/06 (2006.01)
- (21) International Application Number:
PCT/US2006/011289
- (22) International Filing Date: 27 March 2006 (27.03.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/594,300 26 March 2005 (26.03.2005) US
60/675,388 27 April 2005 (27.04.2005) US
- (71) Applicant (for all designated States except US): **PRI-VASYS, INC.** [US/US]; 1153 Lawrence Drive, Newbury Park, California 91320 (US).
- (72) Inventors: **POIDOMANI, Mark**; 1153 Lawrence Drive. **ROUTHENSTEIN, Lawrence**. **MCGUIRE, Charles**. **ALON, Ziv**.
- (74) Agent: **HICKMAN, Paul, L.**; TIPS Group, 1000 Elwell Court, Suite 150, Palo Alto, California 94303-4318 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
9 April 2009

(54) Title: ELECTRONIC FINANCIAL TRANSACTION CARDS AND METHODS

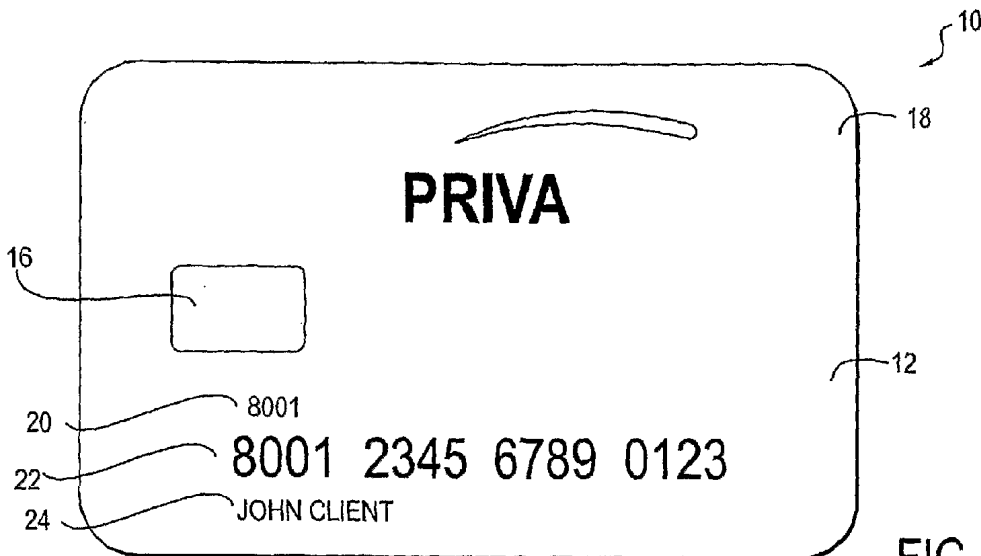


FIG. 1

(57) Abstract: In an exemplary embodiment a companion processor system is provided which pairs a secure processor with a general processor. The secure processor can, for example, include a signal port, a power port and a ground port. The general processor is, in for example, operative to power up the secure processor by applying, directly or indirectly, at least one of power and ground to the power port and ground port, respectively of the secure processor when it wishes to communicate with the secure processor via the signal port. In another exemplary embodiment a method for providing secure transactions is disclosed includes: detecting an input with a general processor of the initiation of a desired transaction; powering up a secure processor under the direction of the general processor; and communicating between the general processor and the secure processor to provide at least one secure transaction.

WO 2006/105092 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/11289

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G06K 19/06 (2007.01) USPC - 235/492 According to International Patent Classification (IPC) or to both national classification and IPC																																											
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) 235/492 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 235/487, 488, 493, 494 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST(USPAT, US PUB, EPO, JPO, DERWENT) DialogPRO(Engineering); Google - Lots of search terms - not practicable to list																																											
C. DOCUMENTS CONSIDERED TO BE RELEVANT																																											
<table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 2003/0222152 A1 (BOLEY) 04 December 2003 (04.12.2003), para [0005] and [0034]</td> <td>1-23</td> </tr> <tr> <td>Y</td> <td>US 6,611,819 B1 (ONEDA) 26 August 2003 (26.08.2003) col 8, ln 55-67).</td> <td>1-16 and 22</td> </tr> <tr> <td>Y</td> <td>US 2005/0038651 A1 (VERREAULT) 17 February 2005 (17.02.2005) para [0047], [0049].</td> <td>1-16, 18 and 22</td> </tr> <tr> <td>Y</td> <td>US 2003/0218064 A1 (CONNER et al.) 27 November 2003 (27.11.2003), para [0095]</td> <td>2-7, 9-11, 20, 21</td> </tr> <tr> <td>Y</td> <td>US 2003/0135699 A1 (MATSUZAKI et al.) 17 July 2003 (17.07.2003) para [0213].</td> <td>3</td> </tr> <tr> <td>Y</td> <td>US 2004/0165725 A1 (KUMAR et al.) 26 August 2004 (26.08.2004), para [0055]-[0059], [0037]</td> <td>5-7</td> </tr> <tr> <td>Y</td> <td>US 5,936,226 A (AUCSMITH) 10 August 1999 (10.08.1999), col. 1, lines 1-25</td> <td>6</td> </tr> <tr> <td>Y</td> <td>US 4,177,514 A (RUPP) 04 December 1979 (04.12.1979), col. 23, lines 1-25</td> <td>7</td> </tr> <tr> <td>Y</td> <td>US 2003/0212776 A1 (ROBERTS et al.) 13 November 2003(13.11.2003), para [0034]</td> <td>8 and 14-16</td> </tr> <tr> <td>Y</td> <td>US 6,678,268 B1 (FRANCIS et al.) 13 January 2004(13.01.2004), col.1, ln 1-25, Fig 22</td> <td>12-13</td> </tr> <tr> <td>Y</td> <td>US 2005/0022169 A1 (PERLIN et al.) 27 January 2005(27.01.2005), para [0003]-[0007].</td> <td>14-21 and 23</td> </tr> <tr> <td>Y</td> <td>US 2004/0154043 A1 (ROMAN) 05 August 2004(05.08.2004), para [0026].</td> <td>15,16</td> </tr> <tr> <td>Y</td> <td>US 2003/0223586 A1 (GREEN et al.) 04 December 2003(04.12.2003), para [0004], [0006]</td> <td>23</td> </tr> </tbody> </table>	Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 2003/0222152 A1 (BOLEY) 04 December 2003 (04.12.2003), para [0005] and [0034]	1-23	Y	US 6,611,819 B1 (ONEDA) 26 August 2003 (26.08.2003) col 8, ln 55-67).	1-16 and 22	Y	US 2005/0038651 A1 (VERREAULT) 17 February 2005 (17.02.2005) para [0047], [0049].	1-16, 18 and 22	Y	US 2003/0218064 A1 (CONNER et al.) 27 November 2003 (27.11.2003), para [0095]	2-7, 9-11, 20, 21	Y	US 2003/0135699 A1 (MATSUZAKI et al.) 17 July 2003 (17.07.2003) para [0213].	3	Y	US 2004/0165725 A1 (KUMAR et al.) 26 August 2004 (26.08.2004), para [0055]-[0059], [0037]	5-7	Y	US 5,936,226 A (AUCSMITH) 10 August 1999 (10.08.1999), col. 1, lines 1-25	6	Y	US 4,177,514 A (RUPP) 04 December 1979 (04.12.1979), col. 23, lines 1-25	7	Y	US 2003/0212776 A1 (ROBERTS et al.) 13 November 2003(13.11.2003), para [0034]	8 and 14-16	Y	US 6,678,268 B1 (FRANCIS et al.) 13 January 2004(13.01.2004), col.1, ln 1-25, Fig 22	12-13	Y	US 2005/0022169 A1 (PERLIN et al.) 27 January 2005(27.01.2005), para [0003]-[0007].	14-21 and 23	Y	US 2004/0154043 A1 (ROMAN) 05 August 2004(05.08.2004), para [0026].	15,16	Y	US 2003/0223586 A1 (GREEN et al.) 04 December 2003(04.12.2003), para [0004], [0006]	23	<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																																									
Y	US 2003/0222152 A1 (BOLEY) 04 December 2003 (04.12.2003), para [0005] and [0034]	1-23																																									
Y	US 6,611,819 B1 (ONEDA) 26 August 2003 (26.08.2003) col 8, ln 55-67).	1-16 and 22																																									
Y	US 2005/0038651 A1 (VERREAULT) 17 February 2005 (17.02.2005) para [0047], [0049].	1-16, 18 and 22																																									
Y	US 2003/0218064 A1 (CONNER et al.) 27 November 2003 (27.11.2003), para [0095]	2-7, 9-11, 20, 21																																									
Y	US 2003/0135699 A1 (MATSUZAKI et al.) 17 July 2003 (17.07.2003) para [0213].	3																																									
Y	US 2004/0165725 A1 (KUMAR et al.) 26 August 2004 (26.08.2004), para [0055]-[0059], [0037]	5-7																																									
Y	US 5,936,226 A (AUCSMITH) 10 August 1999 (10.08.1999), col. 1, lines 1-25	6																																									
Y	US 4,177,514 A (RUPP) 04 December 1979 (04.12.1979), col. 23, lines 1-25	7																																									
Y	US 2003/0212776 A1 (ROBERTS et al.) 13 November 2003(13.11.2003), para [0034]	8 and 14-16																																									
Y	US 6,678,268 B1 (FRANCIS et al.) 13 January 2004(13.01.2004), col.1, ln 1-25, Fig 22	12-13																																									
Y	US 2005/0022169 A1 (PERLIN et al.) 27 January 2005(27.01.2005), para [0003]-[0007].	14-21 and 23																																									
Y	US 2004/0154043 A1 (ROMAN) 05 August 2004(05.08.2004), para [0026].	15,16																																									
Y	US 2003/0223586 A1 (GREEN et al.) 04 December 2003(04.12.2003), para [0004], [0006]	23																																									
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>																																										
Date of the actual completion of the international search 09 June 2007 (09.06.2007)	Date of mailing of the international search report 21 DEC 2007																																										
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774																																										