

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 March 2006 (30.03.2006)

PCT

(10) International Publication Number
WO 2006/034143 A3

(51) International Patent Classification:
G06K 7/08 (2006.01)

(21) International Application Number:
PCT/US2005/033392

(22) International Filing Date:
16 September 2005 (16.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/610,627 16 September 2004 (16.09.2004) US

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(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, 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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
25 January 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A CONTACTLESS CARD READER INTEGRATED INTO A TOUCHPAD

(57) Abstract: A contactless smart card reader that is integrated into the hardware of a touchpad, wherein the circuit board substrate of the touchpad (12) provides a mechanical substrate on which the hardware of the contactless smart card (10) reader can be disposed, and wherein the touchpad is already widely distributed in other electronic appliances, and as a stand-alone device. A biometric (18) device is provided.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/33392

A. CLASSIFICATION OF SUBJECT MATTER

IPC: G06K 7/08(2006.01)

USPC: 235/451

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)

U.S. : 235/451, 375, 380, 382, 487, 492

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,486,862 A (JACOBSEN et al) 26 November 2002 (26.11.2002), column 16, lines 20,30, column 17, line 10, column 12, lines 46,60, figures 17A-17C, 18.	1-5,9-13,15-19
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Y		6-8,14
Y,P	US 2005/0001711 A1 (DOUGHTY et al) 06 January 2005 (06.01.2005), [0073], figures 10,11,12.	6-8,14
A,P	US 6,867,981 A (MUROHARA) 15 March 2005 (15.03.2005), see entire reference.	1-19



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search

15 October 2006 (15.10.2006)

Date of mailing of the international search report

20 NOV 2006

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/33392

Continuation of B. FIELDS SEARCHED Item 3:
BRS
search terms: card reader, contactless, touchpad, touch pad, antenna