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AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: SIM CARD CONNECTOR

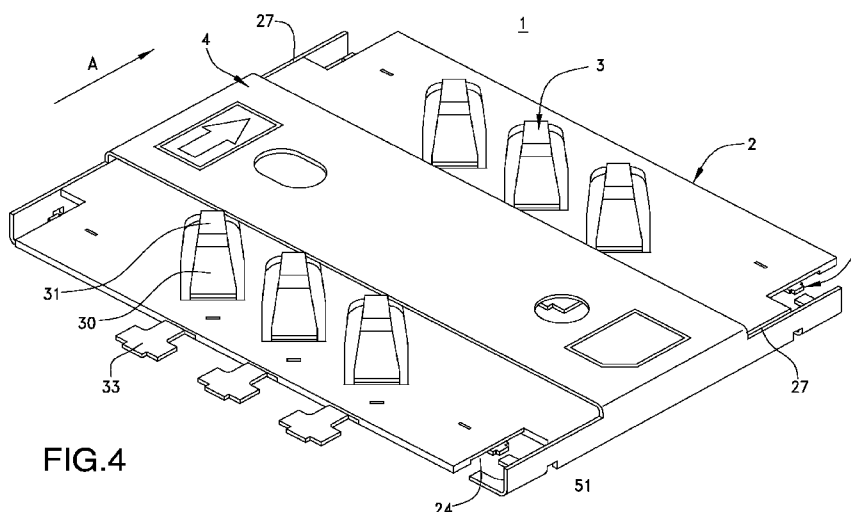


FIG. 4

(57) Abstract: A SIM card connector comprises an insulating body defining a top surface, a bottom surface, and a plurality of terminals formed intergrally with the insulating body by insert molding. Each terminal comprises a fixing portion comprising a first fixing portion nearer the bottom surface of the insulating body and a second fixing portion connecting with the first fixing portion, the second fixing portion including a plate-like section disposed adjacent to the top surface of the insulating body and extending in a direction approximately parallel to the major surfaces of the insulating body.



**A. CLASSIFICATION OF SUBJECT MATTER*****H01R 13/629(2006.01)i, H01R 12/72(2011.01)i, G06K 17/00(2006.01)i***

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)

H01R 13/629; H01R 29/00; H01R 4/28; H01R 13/62

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords: card, connector, SIM, frame, soolder, insulate, housing

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004-0014342 A1 (ZHI NONG YU et al.) 22 January 2004 See abstract; paragraphs [0037]-[0047] and figures 3-6.	1-37
A	US 2006-0234539 A1 (SEN-BING ZHAO) 19 October 2006 See abstract; paragraphs [0020]-[0026] and figures 1-4.	1-37
A	US 6382995 B1 ( HERVE GUY BRICAUD et al.) 07 May 2002 See abstract; column 4, line 48-column 5, line 67 and figures 1-10.	1-37
A	US 2006-0258198 A1 (KUN-HUA CHEN) 16 November 2006 See abstract; paragraphs [0016]-[0019] and figures 1-3.	1-37
A	US 2008-0220661 A1 (CHUN-KUNG WU) 11 September 2008 See abstract; paragraphs [0016]-[0022] and figures 1-2.	1-37



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

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"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

"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

"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

"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

30 JANUARY 2012 (30.01.2012)

Date of mailing of the international search report

**09 FEBRUARY 2012 (09.02.2012)**

Name and mailing address of the ISA/KR

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**INTERNATIONAL SEARCH REPORT**International application No.  
**PCT/US2011/038289****Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 38  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
  
Claim 16 relates to the SIM card connector, but claim 38 relates to the SIM card connector assembly. Therefore claim 38 does not clearly define the matter for which protection is sought.
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2011/038289**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004-0014342 A1	22.01.2004	KR 20-0306065 Y1 TW 555250 Y US 6814596 B2	03.03.2003 21.09.2003 09.11.2004
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