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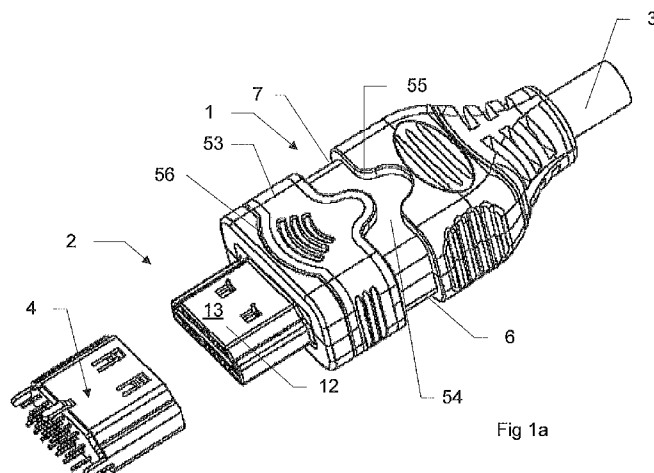


Fig 1a

(57) Abstract: An electrical connector (1) of the kind comprising respective interengagable plug and receptacle parts (2, 4) each formed with corresponding interengagable electrical contacts, characterised by latch means (21) carried by the plug part, the latch means being movable between a first position in which it projects laterally from the plug part (2) to lock positively with the receptacle part (4) when interengaged with the plug part and a second position in which the latch means is disengaged from the receptacle part and is disposed substantially wholly in the plug part and actuatable means (53) carried by the plug part for moving the latch means between the first and second positions. The electrical connector may be of the HDMI kind.



INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2009/050061

A. CLASSIFICATION OF SUBJECT MATTER
INV. H01R13/639 H01R13/627
ADD. H01R13/658

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

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

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

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2008/124388 A (MEZZALINGUA JOHN ASS [US]; CHAWGO SHAWN [US]; MONTENA NOAH [US]; AMIDO) 16 October 2008 (2008-10-16) paragraphs [0062] - [0071], [0083], [0084] figures 5-10, 32-39	1-4, 13-16, 18, 20
X	JP 2004 087462 A (YAZAKI CORP; YAZAKI SYSCOMPLUS CO LTD) 18 March 2004 (2004-03-18) abstract; figures 1-9	1-4, 13-16, 18
X	US 2006/141843 A1 (HUANG HUNG WAY [TW] ET AL) 29 June 2006 (2006-06-29) the whole document	1-4, 13, 14, 16-18, 20
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☒ 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 document but published on or after the international filing date

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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.

S document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7 175 465 B1 (TSAI WEN-HSIEN [TW]) 13 February 2007 (2007-02-13) column 3, line 12 - column 4, line 8 column 4, lines 46-57 figures 1-8	1-4, 13, 14, 16-18, 20
X	US 2003/157836 A1 (MORIKAWA TAISHI [JP] ET AL) 21 August 2003 (2003-08-21) paragraphs [0049], [0071] - [0073] figures 1-4B	1-4, 13, 18
X	US 2007/004265 A1 (YEH MING-HSIANG [TW]) 4 January 2007 (2007-01-04) paragraphs [0019] - [0021] figures 1-3	1-4, 13, 18
A	US 5 554 045 A (BETHURUM GARY C [US]) 10 September 1996 (1996-09-10) column 2, line 42 - column 4, line 56 figures 1-10	5

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2009/050061

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.:
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:
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:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers 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.:

1-18, 20

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18,20

an electrical connector with latching means in form of a
crank

2. claim: 19

an electrical connector with locally of deformable or
hingeable latching means

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2009/050061

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