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(54) **Electric plug connector and method for producing an electric plug connector**

(57) An electric plug connector (1) comprises a contact element (5, 6), for forming an electrical connection to a corresponding mating contact element, and a contact insert (7, 8) comprising a chamber (70, 80) for introducing and for receiving the contact element (5, 6), the chamber (70, 80) having an end-face opening (72, 82) for intro-

ducing the mating contact element. Also provided is a fastening member (10), which is configured and arranged in such a way that the contact element (5, 6) is fixable in the contact insert (7, 8) by locking engagement. The locking method for fixing the contact element (5, 6) in the contact insert (7, 8) allows rapid assembly of the plug connector.

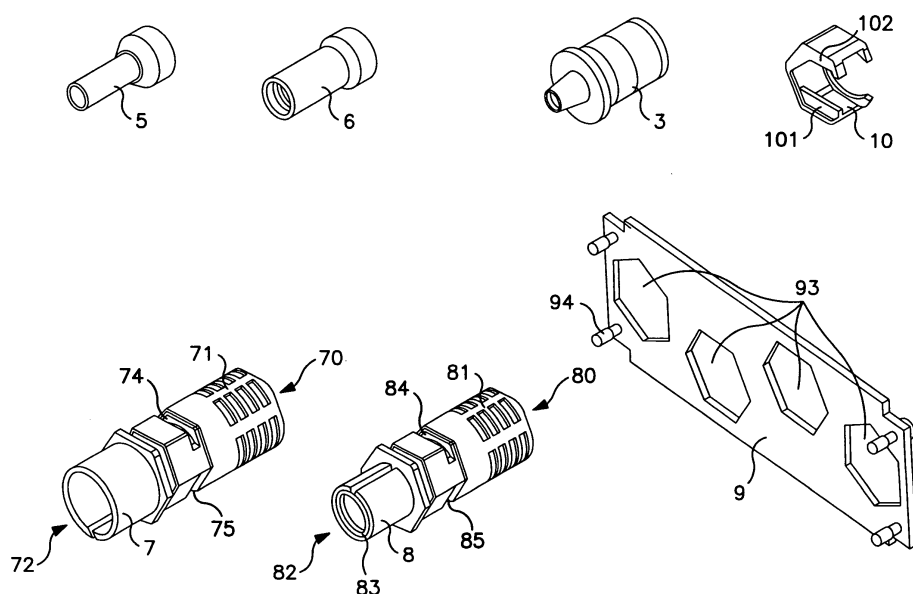


FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 06 00 4632

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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Y	US 5 407 363 A (POLGAR GARY E [US] ET AL) 18 April 1995 (1995-04-18) * claim 1; figures 1-13 *	12-15, 23,25	
Y	EP 0 963 008 A (SUMITOMO WIRING SYSTEMS [JP]) 8 December 1999 (1999-12-08) * the whole document *	12,14, 15,23,25	
Y	FR 2 294 338 A (BOSCH GMBH ROBERT [DE]) 9 July 1976 (1976-07-09) * the whole document *	12,14, 15,23,25	TECHNICAL FIELDS SEARCHED (IPC)
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A	EP 0 604 196 A (GUEST JOHN ENG [GB]) 29 June 1994 (1994-06-29) * the whole document *	7,24	
<p>2 The present search report has been drawn up for all claims</p>			
Place of search		Date of completion of the search	Examiner
The Hague		20 May 2008	Salojärvi, Kristiina
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
1-7, 12-15, 21-25
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:
- ☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-6,21,22

parts of the plug connector

2. claims: 7,12,13,14,15,23-25

claims 7,12,14,15,23-25: fixing the plug connector to a
fastening element which may be fixed to a wall

claim 13: providing floating connection between the
connector parts and the fastening element

3. claims: 8-11

preventing access to the electrically conductive parts

4. claims: 16-20, 26,27

connecting a cable to the conductive terminal (socket / pin)
portion

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 00 4632

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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20-05-2008

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82