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(54) **Electrical connectors and methods for coupling the electrical connectors to busbars**

(57) An electrical connector is provided. The electrical connector includes a first mounting portion 40. The electrical connector further includes a first clamping portion 41 coupled to the first mounting portion. The first clamping portion 41 has a first coupling tab 42 and a second coupling tab 44. The first and second coupling tabs 42,44 define a first gap 50. The first and second coupling tabs 42,44 are configured to form an electrical connection with the first busbar 20 in the first gap 50.

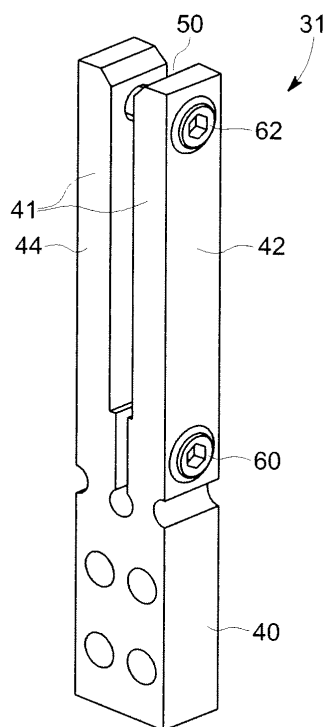


FIG. 3



EUROPEAN SEARCH REPORT

Application Number
EP 13 16 0765

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 298 16 627 U1 (BARANOWSKI MIKE [DE]) 10 December 1998 (1998-12-10) * the whole document *	1-3,8-10	INV. H01R4/46 H01R25/14 H01R25/16 H01R4/30
X	DE 41 24 066 A1 (IND UND DESIGN LICHT INH DOMIN [DE]) 21 January 1993 (1993-01-21) * column 3, line 31 - column 5, line 25 * * figures 1-6 *	1-4,6, 8-12	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01R F21V
2 The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		26 July 2013	Henrich, Jean-Pascal
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

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:

☒ 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:

1-13

☐ 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).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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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: 1-13

Electrical connector for connecting to a busbar.

2. claims: 14, 15

Method claim describing a general cast method for
manufacturing electrical contacts.

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

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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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26-07-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 29816627	U1	10-12-1998	NONE

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