

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

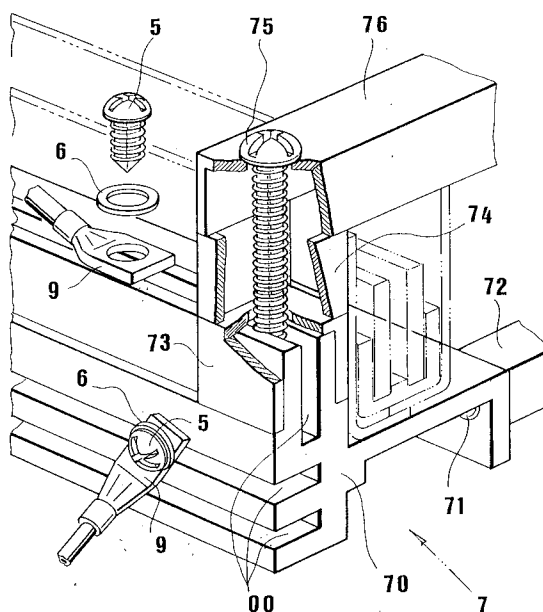
0 507 347 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **92105906.9**(51) Int. Cl.⁵: **H01R 25/14**(22) Date of filing: **06.04.92**(30) Priority: **05.04.91 IT VA910009**(43) Date of publication of application:
07.10.92 Bulletin 92/41(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE(88) Date of deferred publication of the search report:
04.08.93 Bulletin 93/31(71) Applicant: **MASPER ROBERTO S.r.l.**
Via Bergamo 11
I-24035 Curno (Bergamo)(IT)(72) Inventor: **Masper, Roberto**
Via Bergamo 11
I-24035 Curno (Bergamo)(IT)(74) Representative: **Sassi, Romano**
UFFICIO BREVETTI VARESINO Viale Belforte
89
I-21100 Varese (IT)

(54) **Process and means to provide bus bar distribution systems, wherein each bus bar unit comprises more uniform cross-section components, set to receive, anywhere, therealong, a number of terminals and the like, limited only by the principle of impenetrability of bodies.**

(57) Conductor (1, 1', 2) and non-conductor (3,3) components, have uniform cross-section. The nominal cross-section, including two single interspaced bars (1, 1') provides a channel (101) with two parallel opposed walls (10, 10'), set at such a distance ($2r - 2h$) to receive screws (5), particularly self-tapping screws, cutting their own thread (5', 5') into the same walls (10, 10'), whereby terminals (9) can be connected and an elastic strain (T_e) is provided, to prevent unscrewing. Each bar unit comprises five components (1, 1', 2, 3, 3), three of which (1, 1', 2) are conductor and two (3, 3) non-conductor., wherein the centrifugal components (2, 3), act as encompassing members. The ensemble (3, 01, 3,3, 02, 3,3, 03, 3,3, 04, 3) is bound by a frame (7) including longitudinal rods (70, 70') with grooves (00), for fastening grounded conductors terminals (9).

FIG. 5**EP 0 507 347 A3**



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 92 10 5906

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	DE-A-3 151 996 (ELEKTRA) * page 5, line 28 - page 6, line 15; figures 1-5 * ---	1	H01R25/14
A	DE-A-3 607 760 (GECO) * page 9, line 9 - line 22; figures 1,2 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02 JUNE 1993	Examiner MATZDORF U.
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			