

Title (en)  
Low voltage distributor

Title (de)  
Niederspannungsverteiler

Title (fr)  
Distributeur électrique à basse tension

Publication  
**EP 0660444 B1 19981021 (DE)**

Application  
**EP 94810695 A 19941205**

Priority  
CH 382893 A 19931222

Abstract (en)  
[origin: EP0660444A1] The low-voltage distributor has a plug base (10) for holding busbars, as well as a built-in apparatus (15) which is plugged by means of a self-sprung plug contact (21) onto one (12) of the busbars and is held on the plug base (10). A connecting terminal (24) of the built-in apparatus (15) is electrically conductively connected to the busbar (12) via a flexible conductor (23) and the plug contact (21), which is welded to the conductor (23) and is mounted in a floating manner in the housing (17) of the built-in apparatus (15). The busbar (12) is formed from unalloyed copper and has guide surfaces (25) which make it easier to plug the plug contact (21) on. The plug contact (21) consists of a material having a relaxation which is less than that of brass or bronze, and is connected by means of the flexible conductor (23) to the plug contact (1) using a welding process which avoids softening of the plug contact (21). The low-voltage distributor can be loaded with high operating currents, whose intensity varies (alternates, changes), without any problems over very long time periods, while maintaining predetermined (specified) geometrical dimensions.  
<IMAGE>

IPC 1-7  
**H01R 13/03**

IPC 8 full level  
**H01R 13/03** (2006.01)

CPC (source: EP)  
**H01R 13/03** (2013.01)

Citation (examination)  
EP 0229590 A1 19870722 - MAIER & CIE C [CH]

Cited by  
DE19859717A1

Designated contracting state (EPC)  
AT CH DE FR IT LI NL SE

DOCDB simple family (publication)  
**EP 0660444 A1 19950628; EP 0660444 B1 19981021**; AT E172580 T1 19981115; DE 59407128 D1 19981126

DOCDB simple family (application)  
**EP 94810695 A 19941205**; AT 94810695 T 19941205; DE 59407128 T 19941205