

Title (en)
Terminal board with enhanced resistance to short circuits

Title (de)
Anschlussleiste mit verbessertem Kurzschlusswiderstand

Title (fr)
Bornier à tenue améliorée aux courts-circuits

Publication
EP 2136437 A1 20091223 (FR)

Application
EP 09160303 A 20090514

Priority
FR 0853988 A 20080617

Abstract (en)
The board has an electric connection module comprising a bar (1) of rigid material e.g. brass, pierced with connection orifices (11). Each orifice has a wall forming a floor for housing a cable (K). A screw (12) locks the cable against the floor. The module has a single copper block flat comb (2) formed of a row of parallelly juxtaposed teeth (21) and a connecting strip connecting and supporting the teeth. Each of teeth is inserted in the orifice and supported on the floor of the orifice. The teeth are interposed between the floor and the cable engaged in the orifice in service.

Abstract (fr)
L'invention concerne un bornier comprenant un barreau longitudinal (1) percé transversalement d'orifices de connexion (11) juxtaposés, chaque orifice de connexion (11) étant équipé d'une vis (12) engagée dans un filetage correspondant du barreau (1) et propre à serrer, en service, un câble (K) engagé dans cet orifice (11) contre une paroi (110) formant plancher de cet orifice (11). Le bornier de l'invention comporte en outre un peigne (2) monobloc en cuivre formé d'une rangée de dents (21) et d'une barrette (22) reliant et supportant les dents (21), chaque dent (21) étant insérée dans un orifice (11) correspondant du barreau (1) et en appui sur le plancher (110), cette dent (21) étant ainsi, en service, interposée entre ce plancher (110) et le câble (K) engagé dans cet orifice (11).

IPC 8 full level
H01R 4/36 (2006.01)

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Citation (applicant)
• DE 20306229 U1 20030626 - ABB PATENT GMBH [DE]
• FR 2750262 A1 19971226 - LEGRAND SA [FR]

Citation (search report)
• [A] DE 20306229 U1 20030626 - ABB PATENT GMBH [DE]
• [DA] FR 2750262 A1 19971226 - LEGRAND SA [FR]
• [A] GB 2349991 A 20001115 - FORD MOTOR CO [US]

Cited by
FR3077168A1; EP4060817A1

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