

Title (en)  
Flexible connecting device

Title (de)  
Flexible Verbindungsanordnung

Title (fr)  
Dispositif de raccordement souple

Publication  
**EP 1111733 A1 20010627 (FR)**

Application  
**EP 99440369 A 19991221**

Priority  
EP 99440369 A 19991221

Abstract (en)  
The contacts are crimped and riveted to the common cable, which remains flexible. The flexible connection includes a flexible cable or wire (1) to which connection tongues (2) are attached at regular intervals. The cable is preferably made from a multi-strand braid. The tongues, which are electrically conductive, each include a rectilinear section (3) which may be inserted into a modular electrical appts., and a folded section (4) which is wrapped around the flexible cable. The tongues may be cut from a sheet of metal such as copper. The folded section is attached to the conducting cable by crimping around the cable. This may be retained by the use of a reduced section end on the tongue which then fits back through an aperture formed in the folded section near to the point where this joins the straight section. After insertion through the aperture, the end may be enlarged to form a rivet-type fastening.

Abstract (fr)  
Dispositif de raccordement à languettes fixées à intervalle régulier le long d'au moins une âme conductrice logée dans une enveloppe isolante, lesdites languettes dépassant de ladite enveloppe pour la connexion notamment à des appareils électriques modulaires fixés sur un rail support, caractérisé en ce que la ou les âmes conductrices et l'enveloppe isolante sont constitués d'un matériau flexible, la position relative des languettes, de la ou des âmes et de l'enveloppe isolante étant fixée de manière uniforme sur la totalité de la longueur du dispositif par l'enveloppe isolante de façon à former une structure continue flexible et élastique de longueur quelconque présentant une périodicité spatiale égale à l'entraxe de deux languettes consécutives. <IMAGE>

IPC 1-7  
**H01R 31/08**; **H01R 9/24**

IPC 8 full level  
**H01R 9/24** (2006.01); **H01R 31/08** (2006.01)

CPC (source: EP)  
**H01R 9/2458** (2013.01); **H01R 31/085** (2013.01)

Citation (search report)  
• [XA] DE 1490461 A1 19690604 - SIEMENS AG  
• [A] FR 2077177 A5 19711015 - AMP INC  
• [A] EP 0577459 A1 19940105 - TELEMECANIQUE [FR]  
• [A] US 3902778 A 19750902 - WYSHAK FRED M, et al

Cited by  
EP1821373A1; EP2690710A1; FR2994034A1

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DE ES FR IT NL PT

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**EP 1111733 A1 20010627**; **EP 1111733 B1 20050216**; DE 69923777 D1 20050324; DE 69923777 T2 20060413

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