

Title (en)

Micro-connector and automated tool for application thereof.

Title (de)

Kleinstverbinder und automatisches Werkzeug für seine Verwendung.

Title (fr)

Microconnecteur et outil automatique pour son application.

Publication

EP 0633623 A3 19960605 (EN)

Application

EP 94304349 A 19940616

Priority

- BR 9302783 A 19930707
- BR 9303027 A 19930728

Abstract (en)

[origin: EP0633623A2] Electrical connectors are manufactured in the form of a strip of micro-connectors stamped from an integral piece, each having a parallelepipedical body (4) in the shape of a "U" having a bottom portion (5) and two sidewalls capable of being inwardly crimped. The bottom portion (5) is centrally hollowed out and has in the inner ends thereof two sets of small metallic tongues (6,7,8) that are spaced apart from each other by contact slots (9,10) of different sizes. The sidewalls include a positioner rod (11A,11B) located adjacent to two legs (16,17) located on the ends thereof, each of the legs (16,17) having two cutouts (12A,12B,13A,13B,14A,14B,15A,15B) in the shape of a "V". An automated tool (31) for application of the micro-connectors, is unique in that it applies these reduced sized connectors. The tool has a wire cut system which cuts wires on the side ends of the crimper (35) of the application tool (31) so that the wires are arranged side by side after cutting. The tool, additionally, has a wire positioning system which permits the application of micro-connectors in both tapping and splicing situations. <IMAGE>

IPC 1-7

H01R 4/24; **H01R 43/01**

IPC 8 full level

H01R 9/03 (2006.01); **H01R 4/24** (2006.01); **H01R 43/01** (2006.01); **H01R 43/05** (2006.01)

CPC (source: EP KR)

H01R 4/24 (2013.01 - KR); **H01R 4/2495** (2013.01 - EP); **H01R 43/01** (2013.01 - EP); **H01R 43/05** (2013.01 - EP)

Citation (search report)

- [YA] US 3911712 A 19751014 - WUSTINGER KARL HEINZ, et al
- [YA] GB 1102948 A 19680214 - AMP INC
- [A] US 3436820 A 19690408 - REEM RICHARD ELLWOOD, et al
- [A] EP 0279508 A1 19880824 - AMP INC [US]

Cited by

WO03100921A1

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0633623 A2 19950111; **EP 0633623 A3 19960605**; AU 6340494 A 19950119; AU 673730 B2 19961121; CA 2126041 A1 19950108; CN 1039759 C 19980909; CN 1105152 A 19950712; CZ 161594 A3 19950118; HU 9401861 D0 19940928; HU T68110 A 19950529; JP H0729617 A 19950131; KR 950004637 A 19950218; PL 304058 A1 19950109

DOCDB simple family (application)

EP 94304349 A 19940616; AU 6340494 A 19940527; CA 2126041 A 19940616; CN 94108266 A 19940706; CZ 161594 A 19940704; HU 9401861 A 19940621; JP 17953794 A 19940707; KR 19940015965 A 19940705; PL 30405894 A 19940630