

Title (en)

UNIT FOR AUTOMATICALLY CRIMPING FLEXIBLE FLAT CABLE LAYERS AND CORRESPONDING CRIMPING METHOD

Title (de)

AUTOMATISCHE KRIMPVORRICHTUNG FÜR FLEXIBLE FLACHBANDKABEL UND HERSTELLUNGSVERFAHREN

Title (fr)

UNITE DE SERTISSAGE AUTOMATIQUE DE NAPPES DE CABLES PLATS FLEXIBLES ET PROCEDE DE SERTISSAGE CORRESPONDANT

Publication

EP 1145389 B1 20021002 (FR)

Application

EP 99968805 A 19991220

Priority

- EP 9910119 W 19991220
- FR 9816332 A 19981223

Abstract (en)

[origin: FR2787937A1] The invention concerns a unit (20) for automatically crimping flexible flat cable layers (10), said layer comprising at least a branch (12) whereon a connector (11, 13) is to be crimped, said unit being characterised in that it comprises: a guide tray (15) whereon circulates the flat cable layers (10); a plurality of crimping stations (14a, 14b, 14c) arranged vertically offset relatively to the guide tray (15) plane vertical alignment and adapted to crimp a connector (11, 13) on the end of a branch (12); and a plurality of tilting ramps (18a, 18b, 18c) having a first end at the guide tray plane when they are tilted, and a second end at the crimping post, said ramp being arranged in the direction opposite to the layer displacement, each ramp being adapted to be controlled to tilt towards the guide tray, such that a predetermined branch (12) of the layer follows the ramp which it encounters on its path when it travels towards one of the crimping posts to receive therein a connector (11, 13).

IPC 1-7

H01R 43/048; **H01R 43/052**

IPC 8 full level

H01R 43/28 (2006.01); **H01R 43/048** (2006.01)

CPC (source: EP US)

H01R 43/28 (2013.01 - EP US); **H01R 12/59** (2013.01 - EP US); **H01R 43/048** (2013.01 - EP US); **Y10T 29/49181** (2015.01 - EP US); **Y10T 29/49185** (2015.01 - EP US); **Y10T 29/5187** (2015.01 - EP US); **Y10T 29/53209** (2015.01 - EP US); **Y10T 29/53213** (2015.01 - EP US); **Y10T 29/53217** (2015.01 - EP US); **Y10T 29/53235** (2015.01 - EP US)

Designated contracting state (EPC)

CH DE ES GB IT LI

DOCDB simple family (publication)

FR 2787937 A1 20000630; **FR 2787937 B1 20010302**; DE 69903353 D1 20021107; DE 69903353 T2 20030904; EP 1145389 A1 20011017; EP 1145389 B1 20021002; ES 2185422 T3 20030416; US 6829821 B1 20041214; WO 0039899 A1 20000706

DOCDB simple family (application)

FR 9816332 A 19981223; DE 69903353 T 19991220; EP 9910119 W 19991220; EP 99968805 A 19991220; ES 99968805 T 19991220; US 86856701 A 20010615