

Title (en)

Electrical harness fabrication method and apparatus.

Title (de)

Verfahren und Vorrichtung zur Herstellung eines elektrischen Kabelbaumes.

Title (fr)

Procédé et dispositif pour la fabrication d'un peigne de câble électrique.

Publication

**EP 0216464 A1 19870401 (EN)**

Application

**EP 86305723 A 19860725**

Priority

US 77810385 A 19850920

Abstract (en)

A double-ended electrical cable harness is produced in which the wires (40) of a first end thereof are mass terminated to an electrical connector (14) having a plurality of insulation displacement terminals (18). A connector (14) is loaded onto a first transport assembly (50), and the first ends of the wires (40) are terminated to the connector at a termination station (58). The second harness end is prepared by removably mounting one of a plurality of different modules (68) to a second transport assembly (52), and actuating the module at the termination station (58) to finish the second harness end. The apparatus performs various operations on a connector (14) having at least two rows of terminal receiving cavities (32). stacked one on top of the other in a staggered fashion, so that wires (40) may be inserted in each of the cavities from a common connector surface (20). The operations include elevating the connector (14) toward an array of wires (40) so as to form and align the wires for simultaneous termination in all of the cavities (32). Other operations include separating a connector stick into a number of independent connector modules (46), by removing web portions (44) integrally molded with the connector modules (46). Another operation includes removing polarizing pegs 116) extending from one end of a connector stick, prior to its separation into individual modules (46).

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**H01R 43/00**

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CPC (source: EP)

**H01R 43/28** (2013.01); **H01R 43/01** (2013.01)

Citation (search report)

- AT E6181 T1 19840215
- AT E5287 T1 19831115
- AT E9423 T1 19840915
- US 4235015 A 19801125 - BENNET JOSEPH C [US], et al

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CN103682951A; US5155907A; CN103317342A; US10522985B2

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**EP 0216464 A1 19870401**; **EP 0216464 B1 19920909**; DE 3686691 D1 19921015; DE 3686691 T2 19930408; JP H0626083 B2 19940406; JP S6273508 A 19870404

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**EP 86305723 A 19860725**; DE 3686691 T 19860725; JP 21368786 A 19860910