

Title (en)

Electrical harness assembly apparatus.

Title (de)

Vorrichtung zum Herstellen eines elektrischen Kabelbaumes.

Title (fr)

Appareil pour l'assemblage de faisceaux de câbles électriques.

Publication

**EP 0412732 A1 19910213 (EN)**

Application

**EP 90308559 A 19900803**

Priority

US 39280889 A 19890810

Abstract (en)

Apparatus for manufacturing wire harness assemblies is provided. Each wire harness includes a shielded cable having a plurality of insulated conductors therein, with each conductor being terminated at its respective opposed ends and with the terminated ends being mounted in connector housings. The apparatus includes a plurality of pallets (36) that are movable along a conveyor to work stations (76,77,78) at which various assembly steps are carried out. A first station (76) is provided for mounting the cables to the pallet, such that the wires at the opposed ends are mounted in fixtures. A second station (77) may selectively deposit drop wires into fixtures on the pallets. A third station (80) trims and strips the ends of the wires and aligns the drop wires with the cable wires. A fourth station (92) sequentially crimps terminals to the ends of the wires, with the pallet being indexable between successive crimps. The crimp apparatus adjusts to the required crimp height depending on the presence or absence of drop wires and the presence or absence of grounding clips. A fourth station tests (126) for the presence of the terminals and inserts the terminated wires into housings.

IPC 1-7

**H01R 43/052**; **H01R 43/28**

IPC 8 full level

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Citation (search report)

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DE FR GB

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**EP 0412732 A1 19910213**; JP H0395807 A 19910422; JP H0799650 B2 19951025

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