

Title (en)

Apparatus for, and a method of, serially manufacturing electrical harness assemblies.

Title (de)

Vorrichtung und Verfahren zum serienmässigen Herstellen elektrischer Kabelbaumstücke.

Title (fr)

Appareil et méthode pour fabriquer des pièces de harnais de câbles en série.

Publication

EP 0041815 A1 19811216 (EN)

Application

EP 81302427 A 19810602

Priority

US 15769280 A 19800609

Abstract (en)

Apparatus for, and a method of, manufacturing electrical harness assemblies. Wires (22) are advanced through a wire insertion zone (222), slotted plate electrical connectors (4 and 6) are fed by a slide (152) into the zone (222) so that each wire (22) is aligned with a slotted plate terminal of each of the connectors (4 and 6), a wire insertion ram (74) is lowered to insert the wires (22) into the terminals and to cut out scrap parts of the wires (22) between the connectors (4 and 6), the ram (74) is raised, and a complete harness comprising a connector (4 min) applied during the previous cycle of the apparatus, and the connector (6) is removed from the apparatus and the wires (22) are advanced again. For the reduction of manual operations, the wires (22) are advanced from wire spools by a wire advancing mechanism, through wire positioning means (90, 94) from which the wires (22) are driven by the ram (74) into the terminals of the connectors (4 and 6).

IPC 1-7

H01R 43/00

IPC 8 full level

H01R 43/052 (2006.01); **H01B 13/012** (2006.01); **H01R 43/00** (2006.01); **H01R 43/01** (2006.01)

CPC (source: EP)

H01R 43/01 (2013.01)

Citation (search report)

- US 3999270 A 19761228 - WITTE ROY
- US 4043034 A 19770823 - SUCHESKI MATTHEW MICHAEL, et al
- US 4043017 A 19770823 - FOLK KENNETH FOSTER, et al

Cited by

CN1073265C; DE29517601U1; EP0487505A3; EP0311149A1; EP0182528A3; EP0154387A3; EP0590694A1; EP0588386A1; EP0376131A3; US5010642A; CN110034479A; CN112993711A; CN113241572A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0041815 A1 19811216; EP 0041815 B1 19840912; AT E9423 T1 19840915; BR 8103549 A 19820330; CA 1167626 A 19840522; DE 3165980 D1 19841018; ES 502844 A0 19820401; ES 8204242 A1 19820401; JP S5725612 A 19820210; JP S6355726 B2 19881104

DOCDB simple family (application)

EP 81302427 A 19810602; AT 81302427 T 19810602; BR 8103549 A 19810604; CA 378056 A 19810521; DE 3165980 T 19810602; ES 502844 A 19810608; JP 8877181 A 19810609