

Title (en)  
APPARATUS FOR MAKING ELECTRICAL HARNESSSES

Publication  
**EP 0145416 B1 19900816 (EN)**

Application  
**EP 84308288 A 19841129**

Priority  
JP 22501183 A 19831129

Abstract (en)  
[origin: EP0145416A2] Apparatus for making electrical harnesses including wires and electrical connectors has a wire feed path (W) extending substantially horizontally and axially of the apparatus; a connector attaching device (11) located along the feed path (W), and comprising first and second cooperating pair of assembling punches (15, 17) and dies (16, 18) disposed on opposite sides of the wire feed path, and operable individually or synchronously. A cooperating pair of cutting punch (19) and die (20) are disposed between the first and second pairs of punches (15, 17) and dies (16, 18), the cutting punch (19) and die (20) being operable independently of first and second assembling punches (15, 17) and dies (16, 18) and a connector supplying means is provided for supplying connectors (3, 4) of different types to the first and second assembling dies (16, 18). A wire length measuring and feeding device (12) is located along the wire feed path (W) and comprises a chuck (41) reciprocally movable along the wire feed path (W) for pulling out wires in its advancing movement for a distance corresponding to a desired length of the electrical harness, the moving distance and the frequencies of reciprocal movement of the chuck being adjustable in dependence upon the number of connectors (3, 4) to be affixed to the wires, the intervals thereof, and the types thereof.

IPC 1-7  
**H01B 13/00**; **H01R 43/28**

IPC 8 full level  
**H01R 43/01** (2006.01); **H01B 13/012** (2006.01); **H01R 43/052** (2006.01); **H01R 43/05** (2006.01); **H01R 43/055** (2006.01)

CPC (source: EP)  
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Cited by  
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