

Title (en)

APPARATUS FOR MANUFACTURING SPRING UNITS

Publication

EP 0130616 A3 19870114 (EN)

Application

EP 84107739 A 19840704

Priority

- JP 9472884 A 19840514
- JP 12034283 A 19830704

Abstract (en)

[origin: EP0130616A2] In an apparatus for manufacturing springs, a frame body (1) has guide rails (83) on which a pair of movable bodies (87) are mounted to be movable. Each of the movable bodies (87) has rotatable holding rollers (135) between which a wire (27) which is to be processed is held, and each body also has a shaping roller (153) for bending the end of the wire in a coil. Arranged between the shaping roller (153) and the holding rollers (135) are a guide member (151) for defining the supply passage for the wire, and a pitch rod for determining the pitch of the coil formed. When the holding rollers (135) are rotated, while holding the wire (27), the movable bodies (87) are moved toward each other by the pulling force exerted to the wire (27), and the wire (27) is supplied from between the paired holding rollers (135) to the shaping roller (153) through the guide member (151). The pitch rod (155) is reciprocated as the movable bodies run, and as one turn of the wire coil strikes against the pitch rod (155), making it possible to form spiral springs at both ends of the wire (27).

IPC 1-7

B21F 35/00; **B21F 3/12**

IPC 8 full level

B21F 3/12 (2006.01); **B21F 35/00** (2006.01)

CPC (source: EP)

B21F 3/12 (2013.01); **B21F 35/00** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0130616 A2 19850109; **EP 0130616 A3 19870114**; **EP 0130616 B1 19890517**; DE 3478205 D1 19890629

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