

Title (en)

Electronically controlled winding device for mattresses or upholstery springs

Title (de)

Electronisch geregelte Windeeinrichtung für Matratzen- und Polsterfedern

Title (fr)

Dispositif d'enroulement réglé électroniquement pour la fabrication de ressorts pour des matelas ou rembourrages

Publication

**EP 0742061 B1 19990714 (DE)**

Application

**EP 96107299 A 19960509**

Priority

DE 19517260 A 19950511

Abstract (en)

[origin: EP0742061A1] The winding device draws a wire from a supply and feeds it through a wire guide to a cutting device before bending it via at least one bending roller (28) and a cooperating pushing tool (30). A servomotor (22) is coupled to a cam disc (24), acting on the end of a pivoted lever (26) supporting the bending roller at its opposite end, with a second servomotor (35) rotating a second cam disc (34), acting on a linearly displaced rod (32) supporting the pushing tool at its free end.

IPC 1-7

**B21F 3/02**

IPC 8 full level

**B21F 3/02** (2006.01); **B21F 35/00** (2006.01)

CPC (source: EP US)

**B21F 3/02** (2013.01 - EP US); **B21F 35/00** (2013.01 - EP US); **Y10T 29/5187** (2015.01 - EP US)

Cited by

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Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 0742061 A1 19961113**; **EP 0742061 B1 19990714**; DE 19517260 A1 19961114; DE 59602421 D1 19990819; ES 2135135 T3 19991016; US 5713115 A 19980203

DOCDB simple family (application)

**EP 96107299 A 19960509**; DE 19517260 A 19950511; DE 59602421 T 19960509; ES 96107299 T 19960509; US 64432896 A 19960510