

Title (en)

COIL SPRING FORMING AND CONVEYING ASSEMBLY

Title (de)

ANORDNUNG ZUM FORMEN UND ZUFÜHREN VON SCHRAUBENFEDERN

Title (fr)

ENSEMBLE DE FABRICATION ET DE TRANSPORT DE RESSORTS A BOUDIN

Publication

**EP 1177056 A1 20020206 (EN)**

Application

**EP 00915829 A 20000222**

Priority

- US 0004485 W 20000222
- US 12083299 P 19990219
- US 36537199 A 19990730

Abstract (en)

[origin: WO0105535A1] A coil spring forming head (113) which is periodically operative to at least partially form coil springs having a plurality of coils and which includes a wire feed advancing mechanism (231) operative to feed the wire which is formed into coil springs, a pitch control mechanism (233) operative to control the pitch of the coils of the coil springs being formed, a diameter control mechanism (243) operative to control the diameter of the coils of the coil spring mechanism (243) operative to control a diameter of the coils of the coil spring being formed, and a control (135) including a storage area containing instructions for the operation of the wire feed advancing mechanism, the pitch control mechanism, and the diameter control mechanism. A programmable switching device is selectively connectable to the storage area to afford forwarding of selected instruction from the storage area to the wire feed controller, to the pitch controller, and to the diameter controller.

IPC 1-7

**B21F 3/02**

IPC 8 full level

**B21F 3/02** (2006.01); **B21F 33/04** (2006.01)

CPC (source: EP)

**B21F 3/02** (2013.01); **B21F 33/04** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0105535 A1 20010125**; EP 1177056 A1 20020206; EP 1177056 A4 20060607

DOCDB simple family (application)

**US 0004485 W 20000222**; EP 00915829 A 20000222