

Title (en)

Wire coil production system.

Title (de)

Drahtwickel-Herstellungssystem.

Title (fr)

Système de fabrication de bobines de fil métallique.

Publication

**EP 0120168 A2 19841003 (EN)**

Application

**EP 83307981 A 19831223**

Priority

US 45436482 A 19821229

Abstract (en)

A wire coil production system for winding, tying and distributing coils fabricated from pre-cut wire segments. Four controllably driven mandrels or reels (7) are mounted in relative quadrature on a rotatable turret (6) which cycles each mandrel through stations (A to D) for (1) receiving the wire (16) and initiating the winding operation, (2) completing the winding operation, (3) tying the formed coil and (4) discharging the coil to a conveyor/distributor system. Each mandrel includes a wire sensor (26, 27) and automatic wire clamping and coil load/unload mechanisms. A control system (93, 95) coordinates all operations so they are synchronized with the wire feed system and with each other.

IPC 1-7

**B65H 67/04**

IPC 8 full level

**B21C 47/00** (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP)

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**EP 0120168 A2 19841003**; **EP 0120168 A3 19860416**; AU 2252083 A 19840705; CA 1213192 A 19861028; IL 70482 A0 19840330; JP S59150616 A 19840828

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**EP 83307981 A 19831223**; AU 2252083 A 19831219; CA 444363 A 19831228; IL 7048283 A 19831219; JP 25241483 A 19831229