Title (en)

RECTANGULAR WIRE COILING MACHINE

Title (de)

SPULMASCHINE FÜR RECHTECKDRAHT

Title (fr)

BOBINEUSE DE FILS RECTANGULAIRES

Publication

EP 1866109 A4 20140702 (EN)

Application

EP 06721698 A 20060321

Priority

- CA 2006000430 W 20060321
- US 66657705 P 20050331

Abstract (en)

[origin: WO2006102735A1] A coiling machine configured to coil semi-rigid rectangular wires without using a core to wind the wire thereonto, yielding a free-standing coil is described herein. The coiling machine comprises a wire bending mechanism including a wire holding assembly for selectively immobilizing a wire and a wire bending assembly for bending a selected portion of the wire at an angle while the wire is immobilized by the wire holding assembly; a wire feeding mechanism for receiving the wire from a wire drawing mechanism and for feeding a length of the wire to the wire bending mechanism; and a controller coupled to the wire drawing mechanism, wire bending mechanism and wire feeding mechanism to control their operations for sequentially bending the wire at predetermined positions therealong so as to yield a coil of wire having a predetermined geometry.

IPC 8 full level

B21F 3/00 (2006.01)

CPC (source: EP KR US)

B21D 11/06 (2013.01 - EP US); **B21F 1/00** (2013.01 - EP US); **B21F 3/00** (2013.01 - EP KR US); **H02K 15/045** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2006102735A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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