

Title (en)
Spring production machine

Title (de)
Federherstellungsmaschine

Title (fr)
Machine de fabrication de ressorts

Publication
EP 2239067 B1 20110427 (DE)

Application
EP 10001364 A 20100210

Priority
DE 102009016768 A 20090407

Abstract (en)
[origin: EP2239067A1] The machine has a mandrel (16) movable perpendicular to a fed wire and in a vertical direction and a direction perpendicular to a machine frame. A forming tool (15) i.e. 3-dimensional winding finger, is movable parallel to a feeding direction and in two directions (v, y) that are perpendicular to each other and to the feeding direction. The mandrel has a wire guiding cable (27) formed at a distance from an external side wall (31) that is turned away from the frame. The cable guides the wire to the tool via the mandrel, where the wire is guided to the cable via an opening (46) of the mandrel.

IPC 8 full level
B21F 3/027 (2006.01); **B21F 35/02** (2006.01)

CPC (source: EP)
B21F 3/027 (2013.01); **B21F 35/02** (2013.01)

Cited by
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DOCDB simple family (publication)
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