

Title (en)

COILING TOOL FOR SPRING COILING MACHINE

Title (de)

WINDEWERKZEUG FÜR FEDERWINDEMASCHINE

Title (fr)

OUTIL DE BOBINAGE POUR MACHINES À ENROULEMENT DE RESSORT

Publication

EP 3225325 B1 20180912 (DE)

Application

EP 17156349 A 20170215

Priority

DE 102016105935 A 20160331

Abstract (en)

[origin: CN107262632A] A coiling tool (11) for a spring coiling machine includes a tool support (15) and a replaceable coiling part (18). The coiling part is fixed to the tool support (15). The coiling part (18) includes a cylindrical pedestal (21) and a coiling body (22) positioned next to the pedestal in an axial direction. In a mounted state, the cylindrical pedestal (21) is arranged on a supporting face (16) configured in a front end region of the tool support (15). The pedestal (21) is pressed against, relative to the area of the front end region, a supporting step (17) that defines the supporting face (16) and extends in an arc manner. The coiling part (18) is prevented from being mounted rotatably and is fixed to the tool support (15) through a central fastener (19).

IPC 8 full level

B21F 3/02 (2006.01)

CPC (source: CN EP)

B21F 3/00 (2013.01 - CN); **B21F 3/02** (2013.01 - CN EP); **B21F 3/04** (2013.01 - CN)

Citation (opposition)

Opponent : WTH Laqua GmbH

- US 4387585 A 19830614 - CAVAGNERO ERMAN V, et al
- US 7082797 B1 20060801 - WIESE THOMAS R [US]
- EP 0344178 B1 19910703
- DE 102011100434 B4 20141120 - WAFIOS AG [DE]
- US 2015040634 A1 20150212 - COSTET JULIEN [FR]

Cited by

EP3698897A1; CN115673182A; EP3698897B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3225325 A1 20171004; **EP 3225325 B1 20180912**; **EP 3225325 B2 20220309**; CN 107262632 A 20171020; DE 102016105935 A1 20171005; DE 102016105935 B4 20180426

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