

Title (en)

Wound wire coil and method and device for manufacturing the same

Title (de)

Gewickelte Drahtspule sowie Vorrichtung und Verfahren zur Herstellung der Drahtspule

Title (fr)

Bobine de fil enroulée ainsi que dispositif et procédé de fabrication de la bobine de fil

Publication

EP 2669227 A3 20141203 (DE)

Application

EP 13002798 A 20130529

Priority

DE 102012010840 A 20120601

Abstract (en)

[origin: EP2669227A2] The wound wire reel (2) has a receiving coil (4) which has a coil core (6) with cylindrical upper surface (8) and side plates (10a,10b) stand perpendicular to the coil core, where a wire winding (12) of a wire (14) has multiple layers (L1,L2,L3) arranged over one another in radial direction (R). The wire between two lying reversal points (U1,U2,U3,U4) of the layers has overlapping portions (16) that form additional transitions (Z1,Z2,Z3,Z4) between layers lying over one another. Independent claims are included for the following: (1) a method for manufacturing a wound wire reel; and (2) a device for executing a manufacturing method.

IPC 8 full level

B65H 54/28 (2006.01); **B65H 55/04** (2006.01)

CPC (source: EP)

B65H 54/2893 (2013.01); **B65H 55/04** (2013.01); **B65H 2701/36** (2013.01)

Citation (search report)

- [X] EP 0334211 A1 19890927 - NIEHOFF KG MASCHF [DE]
- [I] DE 4009370 A1 19910926 - GEBALD GREGOR [DE], et al
- [XA] EP 0762445 A2 19970312 - NIPPON DENSO CO [JP]
- [XA] DE 289216 C
- [A] DE 20008405 U1 20010222 - MANFRED VOGEL ELMASCH BAU GMBH [DE]
- [A] EP 1847498 A1 20071024 - NIEHOFF KG MASCHF [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012010840 B3 20131017; EP 2669227 A2 20131204; EP 2669227 A3 20141203; EP 2669227 B1 20161228

DOCDB simple family (application)

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