

Title (en)

DEVICE AND METHOD FOR WINDING A BAND HAVING A VARIABLE BAND THICKNESS, PARTICULARLY A METAL BAND

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUFHASPELN EINES BANDES MIT VERÄNDERLICHER BANDDICKE, INSBESONDERE EINES METALLBANDES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE BOBINAGE D'UNE BANDE D'ÉPAISSEUR VARIABLE, EN PARTICULIER D'UNE BANDE MÉTALLIQUE

Publication

EP 2391465 A1 20111207 (DE)

Application

EP 10702251 A 20100127

Priority

- EP 2010000468 W 20100127
- DE 102009006761 A 20090130
- DE 102009057180 A 20091205

Abstract (en)

[origin: WO2010086141A1] A device (1) for winding a band (3), particularly a metal band, having a variable band thickness into a roll (2), comprising an assembly for introducing a malleable material onto the band (3) to be wound, characterized in that the assembly comprises means (11, 22) for creating a flexible, particularly an elastic material or a self-swelling or expandable material and for introducing it into the roll (2). The invention also relates to a corresponding method.

IPC 8 full level

B21C 47/00 (2006.01); **B21C 47/04** (2006.01); **B21C 47/26** (2006.01); **B65H 18/00** (2006.01); **B65H 35/02** (2006.01); **B65H 39/16** (2006.01)

CPC (source: EP KR US)

B21C 37/065 (2013.01 - EP US); **B21C 47/006** (2013.01 - EP US); **B21C 47/04** (2013.01 - EP KR US); **B21C 47/26** (2013.01 - EP KR US); **B65H 18/00** (2013.01 - EP US); **B65H 35/02** (2013.01 - KR); **B65H 39/16** (2013.01 - KR); **H04R 5/02** (2013.01 - EP); **B65H 2301/4127** (2013.01 - EP US); **B65H 2701/173** (2013.01 - EP US); **H04R 1/403** (2013.01 - EP); **H04S 3/002** (2013.01 - EP); **H04S 2420/13** (2013.01 - EP)

Citation (search report)

See references of WO 2010086141A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010086141 A1 20100805; BR PI1006049 A2 20160510; CA 2750965 A1 20100805; CA 2750965 C 20141230; CN 102300652 A 20111228; CN 102300652 B 20151216; DE 102009057180 A1 20100819; EP 2391465 A1 20111207; EP 2391465 B1 20121121; ES 2395248 T3 20130211; JP 2012516238 A 20120719; KR 101279794 B1 20130628; KR 20110089183 A 20110804; RU 2011135960 A 20130310; RU 2483819 C2 20130610; TW 201032914 A 20100916; TW I462788 B 20141201; UA 101431 C2 20130325; US 2011271732 A1 20111110; ZA 201103552 B 20120125

DOCDB simple family (application)

EP 2010000468 W 20100127; BR PI1006049 A 20100127; CA 2750965 A 20100127; CN 201080006425 A 20100127; DE 102009057180 A 20091205; EP 10702251 A 20100127; ES 10702251 T 20100127; JP 2011546702 A 20100127; KR 20117014005 A 20100127; RU 2011135960 A 20100127; TW 99102385 A 20100128; UA A201110498 A 20100127; US 201013129403 A 20100127; ZA 201103552 A 20110516