

Title (en)
WINDING DEVICE

Title (de)
AUFSPULVORRICHTUNG

Title (fr)
DISPOSITIF DE BOBINAGE

Publication
EP 2739555 B1 20160302 (DE)

Application
EP 12745681 A 20120803

Priority
• DE 102011109263 A 20110803
• EP 2012065287 W 20120803

Abstract (en)
[origin: WO2013017694A1] The invention relates to a winding device for continuously winding a fiber strand. The winding device has a rotatably supported winding revolver (2) having two rotationally drivable winding spindles (3.1, 3.2), which are retained on the winding revolver in a protruding manner and which each have a winding sleeve (5.1, 5.2) and a catching apparatus (4.1, 4.2). On the winding revolver (2), two severing apparatuses (7.1, 7.2) are associated with the winding spindles (3.1, 3.2). The severing apparatuses cause the fiber strand to be severed when the fiber strand is transferred from one of the winding spindles having a wound full spool to other winding spindles. A traversing apparatus (8) is arranged upstream of the winding spindles and has a traversing thread guide (9), which can be moved parallel to the winding spindles and which can be positioned outside of a traversing stroke in order to transfer the fiber strand. In order to obtain defined severing of the fiber strand at relatively slow process speeds, each severing apparatus (4.1, 4.2) has a blade (27) and a locking means (26) associated with the blade, wherein the fiber strand (42) is guided by the blocking means (26) before the severing and wherein the fiber strand (42) causes a release of the locking means (26) when a minimum tensile force is reached and can be fed to the blade (27).

IPC 8 full level
B65H 54/71 (2006.01); **B65H 65/00** (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP)
B65H 54/71 (2013.01); **B65H 65/00** (2013.01); **B65H 67/048** (2013.01); **B65H 2701/31** (2013.01)

Citation (opposition)
Opponent : Dietze + Schell Maschinenfabrik GmbH & Co. KG
• DE 3224967 A1 19830127 - BARMAG BARMER MASCHF [DE]
• EP 0450085 B1 19971022 - KAMITSU SEISAKUSHO LTD [JP]
• DE 2914923 A1 19801030 - BARMAG BARMER MASCHF
• DE 3241280 C1 19840614 - MAYER FA KARL
• DE 2455116 B1 19750724 - BARMAG BARMER MASCHF
• US 7124979 B2 20061024 - PASQUALE ROBERT A [US]
• DE 102006054980 A1 20080605 - SAHM GEORG FA [DE]
• DE 10003513 A1 20000810 - BARMAG BARMER MASCHF [DE]
• EP 0374536 B1 19940330 - BARMAG BARMER 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

DOCDB simple family (publication)
DE 102012107015 A1 20130207; CN 103717519 A 20140409; CN 103717519 B 20160629; EP 2739555 A1 20140611;
EP 2739555 B1 20160302; JP 2013035686 A 20130221; JP 6016509 B2 20161026; WO 2013017694 A1 20130207

DOCDB simple family (application)
DE 102012107015 A 20120801; CN 201280038038 A 20120803; EP 12745681 A 20120803; EP 2012065287 W 20120803;
JP 2012172858 A 20120803