

Title (en)
APPARATUS FOR CONTINUOUSLY WINDING UP A THREAD

Title (de)
VORRICHTUNG ZUM KONTINUIERLICHEN AUFWICKELN EINES FADENS

Title (fr)
DISPOSITIF DE BOBINAGE EN CONTINU D'UN FIL

Publication
EP 2665668 B1 20150304 (DE)

Application
EP 12700471 A 20120109

Priority

- DE 102011008970 A 20110120
- EP 2012050263 W 20120109

Abstract (en)
[origin: WO2012098032A1] The invention relates to an apparatus for continuously winding up a thread, comprising two winding spindles (3.1, 3.2) which are held in a projecting manner on a rotary table (2). The winding spindles are assigned spindle drives (4.1, 4.2) to allow the thread to be alternately wound to form a bobbin. To this end, the winding spindles are assigned a pressure roller and an oscillating apparatus. In order to make a continuous winding operation possible, the rotary table can be activated by means of a rotary-table drive (5) in order to exchange the winding spindles between a winding region and a changing region. A moveable changing device (10) is provided for transferring the thread between the winding spindles and during the exchange of the winding spindles, guides the thread between the winding spindles for transferring to a catching device on one of the winding spindles. The changing device (11.1, 11.2) has at least one deflecting thread guide (14) and a movable feeding thread guide (15) which can be positioned in a deflecting position, the thread being guided at a distance from the winding spindle which receives the thread. According to the invention, in order to transfer the thread in a quick and stress-free manner without contacting the winding spindle, the deflecting thread guide is formed as a guide plate (16) with a sliding edge (17) which has at least one deflecting section (17.1) and one feeding section (17.2) which is transverse with respect thereto, and the feeding section of the sliding edge forms a catching plane (30) with the catching device of the winding spindle which receives the thread.

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

CPC (source: EP US)
B65H 65/00 (2013.01 - EP US); **B65H 67/048** (2013.01 - EP US); **B65H 67/052** (2013.01 - US); **B65H 2701/31** (2013.01 - EP US)

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)
WO 2012098032 A1 20120726; CN 103328360 A 20130925; CN 103328360 B 20150805; EP 2665668 A1 20131127; EP 2665668 B1 20150304; US 2013292505 A1 20131107; US 9365388 B2 20160614

DOCDB simple family (application)
EP 2012050263 W 20120109; CN 201280005585 A 20120109; EP 12700471 A 20120109; US 201313937637 A 20130709