

Title (en)

Reel for winding up material in strip form

Title (de)

Haspel zum Aufwickeln von bandförmigem Material

Title (fr)

Bobineuse destinée à enrouler un matériau en forme de bande

Publication

**EP 2896465 B1 20180307 (DE)**

Application

**EP 15150604 A 20150109**

Priority

DE 102014200942 A 20140120

Abstract (en)

[origin: CN104787605A] The invention provides a reel for winding up material in strip form on a reel mandrel; the reel mandrel is driven by a driver and provided with an expansion segment containing a spool in a radial prestress manner; the expansion segment can radially move away from an axially movable reel mandrel shaft so as to enlarge a diameter the reel mandrel; the reel mandrel is divided in the axial direction and comprises a first and a second reel mandrel elements arranged on a common reel axial line; the reel mandrel element comprises opposite linking ends connected through a coupler arranged between the linking ends, wherein the linking ends can move in the axial direction facing each other; the reel mandrel element is arranged in an axially movable frame under each condition, and the frame is arranged through a first translation device; the reel mandrel element comprises a reel mandrel rod having the expansion segment; the reel mandrel is movable against the expansion segment through a second translation device arranged on the frame.

IPC 8 full level

**B21C 47/30** (2006.01)

CPC (source: CN EP US)

**B21C 47/30** (2013.01 - EP); **B65H 18/04** (2013.01 - CN); **B65H 75/2484** (2021.05 - CN EP US)

Citation (opposition)

Opponent : SMS group GmbH

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DOCDB simple family (application)

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