

Title (en)

GRIPPING DEVICE AND GRIPPING METHOD FOR GRIPPING A SPOOL

Title (de)

GREIFVORRICHTUNG UND GREIFVERFAHREN ZUM GREIFEN EINER SPULE

Title (fr)

DISPOSITIF DE PRÉHENSION ET PROCÉDÉ DE PRÉHENSION POUR SAISIR UNE BOBINE

Publication

EP 3509976 A1 20190717 (DE)

Application

EP 17781004 A 20170906

Priority

- DE 102016116800 A 20160908
- EP 2017072390 W 20170906

Abstract (en)

[origin: WO2018046562A1] The invention relates to a gripping device (12) for gripping a spool (16), comprising the following: a holding element (26) for securing the spool (16); a clamping element (24) for clamping the beginning (38) of a strip (36) wound onto the spool (16) in order to hold the strip under tension; and a main part (28) on which the holding element (26) and the clamping element (24) are secured and which is designed to be coupled to a drive device (14) in order to move the spool (16). The holding element (26) and the clamping element (24) are designed to fix the spool (16) and clamp the strip beginning (38) when the spool (16) is provided in a feed device (18) for providing the spool (16) and to release the fixation of the spool (16) and the clamp of the strip beginning (38) when the spool is held in a material receiving area (20) of a processing system (46) and the strip beginning (38) is clamped. The invention additionally relates to a feed device (18), a transport device (10), a processing system (46), a gripping method, and a transport method.

IPC 8 full level

B65H 67/02 (2006.01); **B65H 19/12** (2006.01)

CPC (source: EP US)

B65H 16/021 (2013.01 - EP US); **B65H 16/028** (2013.01 - EP US); **B65H 19/123** (2013.01 - EP); **B65H 67/02** (2013.01 - EP US); **B65H 2301/3251** (2013.01 - EP); **B65H 2301/4131** (2013.01 - EP); **B65H 2301/41392** (2013.01 - EP); **B65H 2301/41398** (2013.01 - EP); **B65H 2301/41722** (2013.01 - EP); **B65H 2401/112** (2013.01 - EP); **B65H 2555/11** (2013.01 - EP); **B65H 2555/12** (2013.01 - EP); **B65H 2555/30** (2013.01 - EP); **B65H 2701/37** (2013.01 - EP)

Citation (search report)

See references of WO 2018046562A1

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 102016116800 A1 20180308; EP 3509976 A1 20190717; EP 3509976 B1 20200708; WO 2018046562 A1 20180315

DOCDB simple family (application)

DE 102016116800 A 20160908; EP 17781004 A 20170906; EP 2017072390 W 20170906