

Title (en)

APPARATUS AND METHOD FOR CHANGING PAPER ROLLS IN A LABELLING MACHINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM WECHSELN VON BONROLLEN EINER ETIKETTIERMASCHINE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE CHANGEMENT DE ROULEAUX DE PAPIER THERMIQUE D'UNE ÉTIQUETEUSE

Publication

EP 3060484 B1 20161221 (DE)

Application

EP 14786181 A 20141017

Priority

- DE 102013017574 A 20131024
- EP 2014072312 W 20141017

Abstract (en)

[origin: CA2922741A1] In order to optimize a paper-roll change, the invention relates to an apparatus (1) for changing paper rolls (2, 2') in a labelling machine, having a first paper-roll receptacle (3), having a second paper-roll receptacle (4), having a shaft (4) that is movable back and forth along an axis (X), wherein the first paper-roll receptacle (3) has a first roll carrier (3.1) connected to a first end (5.1) of the shaft, said first roll carrier (3.1) being movable back and forth along the axis (X) between an unwinding position (I) and a transfer position (II), wherein the first roll carrier (3.1) has at least one clamping device (3.11) that is radially displaceable between a clamping position (a) and a releasing position (b) and has a contact face which is located radially further towards the outside in the clamping position (a) than in the releasing position (b), wherein the second paper-roll receptacle (4) has a second roll carrier (4.1) which is arranged in a storage position (A) coaxially with the first roll carrier (3.1), wherein in the transfer position (II), the first roll carrier (3.1) is arranged together with the clamping device (3.11) at least partially in the interior of the second roller carrier (4.1) arranged in the storage position (A), and in the unwinding position (I), the first roll carrier (3.1) is arranged together with the clamping device (3.11) at least partially outside the second roll carrier (4.1) arranged in the storage position (A). The invention also relates to a corresponding labelling machine and a corresponding method for changing paper rolls (2, 2').

IPC 8 full level

B65C 9/18 (2006.01); **B65H 19/12** (2006.01); **B65H 19/18** (2006.01)

CPC (source: EP US)

B65C 9/1892 (2013.01 - EP US); **B65H 19/123** (2013.01 - EP US); **B65H 2701/11332** (2013.01 - EP US); **B65H 2701/192** (2013.01 - US); **B65H 2701/1936** (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)

DE 102013017574 A1 20150430; CA 2922741 A1 20150430; CA 2922741 C 20170509; CN 105683048 A 20160615; CN 105683048 B 20180126; DK 3060484 T3 20170220; EP 3060484 A1 20160831; EP 3060484 B1 20161221; ES 2616053 T3 20170609; PL 3060484 T3 20170531; US 10040592 B2 20180807; US 2016185477 A1 20160630; WO 2015059048 A1 20150430

DOCDB simple family (application)

DE 102013017574 A 20131024; CA 2922741 A 20141017; CN 201480057423 A 20141017; DK 14786181 T 20141017; EP 14786181 A 20141017; EP 2014072312 W 20141017; ES 14786181 T 20141017; PL 14786181 T 20141017; US 201414910541 A 20141017