

Title (en)

System for the conveyance and the support of rolls of flexible basically flat material for supplying a processing machine

Title (de)

System zur Förderung und Halterung von Rollen aus flexiblem, grundsätzlich flachem Material zur Versorgung einer Verarbeitungsmaschine

Title (fr)

Système pour le transport et le support de rouleaux de matériau flexible globalement plat pour alimenter une machine de traitement

Publication

EP 2921442 A3 20160427 (EN)

Application

EP 15157041 A 20150227

Priority

IT BO20140105 A 20140304

Abstract (en)

[origin: EP2921442A2] System and method for supporting and conveying rolls of flexible basically flat material for supplying machines for industrial processing, said system comprising: a. a trolley (16), removable from the machine supplied by the roll itself, for the support of rolls, comprising: a shaft (17) to support said roll (14, 15), a frame (18), b. an active pivoting assembly (30), allowing the hooking of trolley (16) to the machine supplied by the trolley, aid assembly comprising a frame (31), a connecting flange (29), a rotating hub (34) and a connecting platform (35), characterized in that said trolley (16) becomes active through to the connection to electric and/or pneumatic supply, realized fastening said trolley (16) to said pivoting assembly (30) and to said connecting flange (29). Method for replacing rolls (14, 15) supplying machines for industrial processing, comprising a trolley (16) removable from the machine for the support of rolls, further comprising the following steps: a. interrupting the supplying of the flexible basically flat material to the machine supplied by the roll itself; said supplying occurs keeping trolley (16) shaft (17) in a given direction, generally perpendicular to the moving forward direction of the flexible basically flat material; characterized in that b. said trolley (16) is extracted from the machine firstly rotating it thanks to the rotating hub (34) and then sliding it within pivoting assembly (30); said extraction occurs forming an angle equal or smaller than 60° between said shaft (17) of trolley and shaft (17) direction during step a).

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CPC (source: CN EP)

B65H 19/126 (2013.01 - CN EP); **B65H 2301/4175** (2013.01 - CN EP); **B65H 2402/31** (2013.01 - EP)

Citation (search report)

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- [A] US 5941474 A 19990824 - CUSHING DARRELL D [US]
- [A] US 5941475 A 19990824 - GENTRY JR WILLIAM J [US]
- [A] EP 1211554 A1 20020605 - FUJI PHOTO FILM CO LTD [JP]

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EP3919423A3; US11679950B2

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

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