

Title (en)
ADJUSTABLE ARRANGEMENT FOR TRANSFORMING A PLANAR SUPPORT, CASSETTE, UNIT AND MACHINE PROVIDED WITH SAME

Title (de)
REGULIERBARE ANORDNUNG ZUR UMWANDLUNG EINER EBENEN HALTERUNG, KASSETTE, EINHEIT UND DAMIT AUSGERÜSTETE MASCHINE

Title (fr)
AGENCEMENT RÉGLABLE DE TRANSFORMATION D'UN SUPPORT PLAN, CASSETTE, UNITÉ, ET MACHINE AINSI ÉQUIPÉE

Publication
EP 3181312 B1 20180523 (FR)

Application
EP 17020021 A 20140304

Priority
• EP 13001150 A 20130307
• EP 14728080 A 20140304

Abstract (en)
[origin: WO2014135265A1] An arrangement for transforming a planar support (2) comprises: • - first and second rotating cylindrical transformation tools (16, 17), arranged and cooperating together to transform the support (2), • - first and second side bearings (26, 27), holding the first tool (16) for rotation (Rs), • - third and fourth side bearings (29, 31), holding the second tool (17) for rotation (Ri), • - adjustment means (42) in the form of spacers (43, 44, 46, 47) having an inclined face (48) and sliding (S) to adjust the respective distance (e, e1, e2) between the first and third bearings (26, 29) and between the second and fourth bearings (27, 31), so as to set a radial gap (20) between the two tools (16, 17). The adjustment means (42) comprise two spacers (43, 44) interposed between the first and third bearings (26, 29), and two bearings (46, 47) interposed between the second and fourth bearings (27, 31). In another solution, either an alternative to or working in cooperation with the first solution, the spacer (43) is moved (S) by a differential screw (57) having a first thread (58) that engages with a tapped hole (59) in an integral part (61) of one of the bearings (29) and a second thread (62) different to the first thread (58) and engaging with a tapped hole (63) in the spacer (43).

IPC 8 full level
B26D 7/26 (2006.01); **B26F 1/38** (2006.01); **B31B 50/02** (2017.01); **B31B 50/16** (2017.01); **B31B 50/25** (2017.01); **B31B 50/88** (2017.01); **B31F 1/07** (2006.01)

CPC (source: EP US)
B26D 7/1818 (2013.01 - EP US); **B26D 7/265** (2013.01 - EP US); **B26F 1/384** (2013.01 - EP US); **B31B 50/16** (2017.07 - EP US); **B31F 1/07** (2013.01 - EP US); **B31F 1/10** (2013.01 - EP US); **B31B 50/005** (2017.07 - EP US); **B31B 50/256** (2017.07 - EP US); **B31B 50/88** (2017.07 - EP US); **B31F 2201/0753** (2013.01 - EP US); **B31F 2201/0794** (2013.01 - 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 2014135265 A1 20140912; CN 105189061 A 20151223; CN 105189061 B 20180123; EP 2964436 A1 20160113; EP 2964436 B1 20170607; EP 2964436 B2 20200415; EP 3181312 A1 20170621; EP 3181312 B1 20180523; ES 2632115 T3 20170911; ES 2632115 T5 20201030; ES 2673501 T3 20180622; JP 2016515050 A 20160526; JP 6195632 B2 20170913; KR 101809806 B1 20171215; KR 20150128846 A 20151118; TW 201441025 A 20141101; TW I551432 B 20161001; US 10391662 B2 20190827; US 2016008998 A1 20160114

DOCDB simple family (application)
EP 2014000544 W 20140304; CN 201480025432 A 20140304; EP 14728080 A 20140304; EP 17020021 A 20140304; ES 14728080 T 20140304; ES 17020021 T 20140304; JP 2015560579 A 20140304; KR 20157027738 A 20140304; TW 103107616 A 20140306; US 201414770872 A 20140304