

Title (en)
DEVICE FOR ALIGNING BOX BLANKS IN A MACHINE FOR TREATING THEM

Publication
EP 0381845 B1 19920520 (FR)

Application
EP 89123353 A 19891218

Priority
CH 45389 A 19890209

Abstract (en)
[origin: JPH02241732A] PURPOSE: To optimally automate the aligning of box blanks by incorporating a longitudinal guide rail movable in a horizontal surface with regard to an upward straightening appliance in a longitudinal aligning means, and holding a pressure regulating means to a box blank by the appliance in a longitudinal beam, thereby shortening a time used to set a following appliance. CONSTITUTION: The machine comprises an upward straightening appliance 1 having a row of pivotal levers 17 having rollers 36 at a vertical surface. In this case, the levers are permanently fixed on a support 16, which is pivotally moved in a horizontal plane by an operation of a corner piece 40 movable by knobs 47, 48 with protrusions along threaded rods 43, 44. And, the piece 40 is connected to the support 16 by a plastic unit mounted at one end of a shaft 29 for holding the lever 17. A downward straightening appliance 2 is pivotally moved by a roller 54 disposed on a shaft of the roller 36 of the lever 17, and supported by an endless belt 52. Box blanks are aligned along a longitudinal aligning rail by moving the support 16 on the horizontal surface.

IPC 1-7
B31B 1/02; **B65H 9/16**

IPC 8 full level
B31B 1/02 (2006.01); **B31B 1/04** (2006.01); **B31B 50/02** (2017.01); **B31B 50/04** (2017.01); **B65H 9/16** (2006.01)

CPC (source: EP US)
B65H 9/166 (2013.01 - EP US); **B31B 50/044** (2017.07 - EP US); **B31B 50/104** (2017.07 - EP US)

Cited by
EP0610791A1; US5413327A

Designated contracting state (EPC)
AT BE DE ES FR GB IT LU NL SE

DOCDB simple family (publication)
EP 0381845 A1 19900816; **EP 0381845 B1 19920520**; AT E76356 T1 19920615; AU 4912590 A 19900816; AU 624897 B2 19920625; BR 9000530 A 19910115; CA 2009559 A1 19900809; CA 2009559 C 19930831; CH 678707 A5 19911031; DE 68901616 D1 19920625; ES 2031342 T3 19921201; JP 2535083 B2 19960918; JP H02241732 A 19900926; US 5019026 A 19910528

DOCDB simple family (application)
EP 89123353 A 19891218; AT 89123353 T 19891218; AU 4912590 A 19900205; BR 9000530 A 19900207; CA 2009559 A 19900208; CH 45389 A 19890209; DE 68901616 T 19891218; ES 89123353 T 19891218; JP 2934790 A 19900208; US 47661490 A 19900207