

Title (en)  
MACHINE FOR SHAPING BLANKS OF CARDBOARD BOXES

Title (de)  
MASCHINE ZUM FORMEN VON ZUSCHNITTEN VON PAPPKARTONS

Title (fr)  
MACHINE DE FAÇONNAGE D'EBAUCHES DE CAISSES EN CARTON

Publication  
**EP 2094479 A1 20090902 (FR)**

Application  
**EP 07858479 A 20071019**

Priority

- FR 2007001725 W 20071019
- FR 0609200 A 20061020

Abstract (en)  
[origin: WO2008047008A1] The machine according to the invention comprises a store (3) containing the blanks (1); an extractor arm (13); means for shaping the blanks; and an upstream transport device (5) for receiving and distributing the blanks (6) of the boxes. The extractor arm (21) and the shaping means are provided on the frame (20) of a bench (4) which is inserted, as in a module, between the store (3) and the upstream transport device (5). Said bench (4) comprises: a ramp (24) which is upwardly inclined at an angle of 45° in relation to the horizontal and acts as a guiding channel; a sole having an upper part, in the region of the shaping station (30), which can be retracted to enable the blank (6) to pass via the ramp (24); a transport system (32) for moving the blanks (1) from the lower point (B) to the upper point (H); a forming arm (40) carried by a framework (70) which extends above the ramp (24); and a transfer arm (41) which participates in the shaping of the blank (1) before moving it, once it has become a box blank (6), on the downstream transport device (5).

IPC 8 full level  
**B31B 5/80** (2006.01); **B31B 50/00** (2017.01); **B31B 50/80** (2017.01); **B65B 43/26** (2006.01); **B65H 3/08** (2006.01)

CPC (source: EP US)  
**B65B 43/265** (2013.01 - EP US); **B65B 43/305** (2013.01 - EP US); **B65H 3/0808** (2013.01 - EP US); **B31B 50/80** (2017.07 - EP US); **B31B 2100/00** (2017.07 - EP US); **B31B 2120/30** (2017.07 - EP US); **B65H 2406/341** (2013.01 - EP US); **B65H 2406/342** (2013.01 - EP US); **B65H 2701/1766** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008047008A1

Cited by  
IT202000022381A1; WO2020151934A1; WO2022064345A1; EP4217187B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008047008 A1 20080424**; AT E460268 T1 20100315; BR PI0718165 A2 20131119; CN 101631669 A 20100120; DE 602007005281 D1 20100422; EP 2094479 A1 20090902; EP 2094479 B1 20100310; ES 2338941 T3 20100513; FR 2907368 A1 20080425; FR 2907368 B1 20090116; JP 2010506762 A 20100304; MX 2009004219 A 20090702; PL 2094479 T3 20100630; PT 2094479 E 20100330; US 2010210440 A1 20100819; US 8277367 B2 20121002

DOCDB simple family (application)  
**FR 2007001725 W 20071019**; AT 07858479 T 20071019; BR PI0718165 A 20071019; CN 200780046478 A 20071019; DE 602007005281 T 20071019; EP 07858479 A 20071019; ES 07858479 T 20071019; FR 0609200 A 20061020; JP 2009532848 A 20071019; MX 2009004219 A 20071019; PL 07858479 T 20071019; PT 07858479 T 20071019; US 44621707 A 20071019