Title (en)
Method and machine for erecting a foldable box.

Title (de)
Verfahren und Maschine zum Aufrichten einer Faltschachtel.

Title (fr)
Procédé et machine pour ériger une boîte pliable.

Publication
EP 0472981 B1 19950719 (DE)

Application
EP 91113396 A 19910809

Priority
DE 4027395 A 19900830

Abstract (en)

[origin: EP0472981A1] Method for erecting a foldable box from a one-part cardboard blank which has a bottom surface, side walls articulated on this via folding lines and a front wall and rear wall, there being formed on the side wall flaps which are folded into the region of the front and rear walls, and which is coated at least partially with a sealable plastic. At the same time, the two side walls are first erected in that the cardboard blank is pressed into a U-shaped bottom mould (4). The flaps are folded in by means of rotating drivers (30); the rear wall and front wall are heated until the plastic coating becomes sealable, whereupon the rear wall and front wall and the flaps are pressed against one another and sealed together. <IMAGE>

IPC 1-7
B31B 3/44

IPC 8 full level
B31B 3/00 (2006.01); **B31B 3/44** (2006.01); **B31B 70/00** (2017.01); **B65B 43/26** (2006.01); B31B 100/00 (2017.01); B31B 110/10 (2017.01); B31B 120/70 (2017.01); B31B 160/10 (2017.01)

CPC (source: EP US)
B31B 50/44 (2017.07 - EP US); **B31B 70/00** (2017.07 - EP US); B31B 50/81 (2017.07 - EP US); B31B 2100/00 (2017.07 - EP US); B31B 2100/0024 (2017.07 - EP US); B31B 2110/10 (2017.07 - EP US); B31B 2110/35 (2017.07 - EP US); B31B 2120/102 (2017.07 - EP US); B31B 2120/70 (2017.07 - EP US); B31B 2160/10 (2017.07 - EP US)

Cited by
GB2282561A; FR2961428A1; WO2011157960A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0472981 A1 19920304; **EP 0472981 B1 19950719**; AT E125200 T1 19950815; DE 4027395 A1 19920402; DE 4027395 C2 19930128; DE 59106015 D1 19950824; DK 0472981 T3 19951106; ES 2077123 T3 19951116; GR 3017283 T3 19951130; JP H05154945 A 19930622; US 5269741 A 19931214

DOCDB simple family (application)
EP 91113396 A 19910809; AT 91113396 T 19910809; DE 4027395 A 19900830; DE 59106015 T 19910809; DK 91113396 T 19910809; ES 91113396 T 19910809; GR 950402401 T 19950831; JP 21333491 A 19910826; US 74632091 A 19910816