

Title (en)

Apparatus for erecting cartons

Title (de)

Vorrichtung zum Aufrichten von Faltschachteln

Title (fr)

Dispositif pour ouvrir des boîtes en carton

Publication

EP 1234769 B1 20031008 (DE)

Application

EP 01127890 A 20011123

Priority

DE 10108951 A 20010223

Abstract (en)

[origin: EP1234769A1] The machine for erecting cartons (2) comprises a magazine (3) for flat cartons (4) and a gripper arm (5) which transfers them to a channel (18) in which they are partially erected. They then pass to an expansion section (27) where they are fully erected.

IPC 1-7

B65B 43/28; **B31B 5/80**

IPC 8 full level

B31B 5/80 (2006.01); **B65B 43/28** (2006.01); **B31B 100/00** (2017.01); **B31B 120/30** (2017.01)

CPC (source: EP US)

B65B 43/285 (2013.01 - EP US); **B31B 50/804** (2017.07 - EP US); **B31B 2100/00** (2017.07 - EP US); **B31B 2120/30** (2017.07 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1234769 A1 20020828; **EP 1234769 B1 20031008**; AT E251575 T1 20031015; DE 10108951 A1 20020905; DE 50100752 D1 20031113; ES 2208514 T3 20040616; US 2002119879 A1 20020829; US 6872176 B2 20050329

DOCDB simple family (application)

EP 01127890 A 20011123; AT 01127890 T 20011123; DE 10108951 A 20010223; DE 50100752 T 20011123; ES 01127890 T 20011123; US 8114002 A 20020222