

Title (en)

Apparatus for the production of hinged lid boxes

Title (de)

Vorrichtung zum Herstellen von Klappschachteln

Title (fr)

Dispositif de production de boîtes à couvercle rabattable

Publication

**EP 1396430 B1 20090429 (DE)**

Application

**EP 03018889 A 20030820**

Priority

DE 10241798 A 20020906

Abstract (en)

[origin: EP1396430A2] The procedure for the manufacture of the folding type of cigarette packets involves having unfolded, flat blanks (10) preformed in the region of the round edges (14,15) or angled edges by means of rounding or angle forming tools and then processed in a packing machine. The blanks during continuous transportation are shaped to form round or angled edges and then formed back in the flat initial position. The preformed, flat again blanks are gathered into a stack (37) which as a unit is then subjected to counter-forming of the preformed round or angled edges. An Independent claim is included for a system for the manufacture of folding cigarette packets in accordance with the proposed procedure.

IPC 8 full level

**B65B 19/22** (2006.01); **B65B 43/10** (2006.01); **B31B 1/74** (2006.01); **B31B 3/00** (2006.01); **B31B 50/32** (2017.01); **B31B 50/52** (2017.01); **B31B 50/64** (2017.01); **B65B 43/24** (2006.01)

CPC (source: EP US)

**B65B 19/228** (2013.01 - EP US); **B65B 43/24** (2013.01 - EP US); **B31B 50/322** (2017.07 - EP US); **B31B 2100/00** (2017.07 - EP US); **B31B 2110/20** (2017.07 - EP US); **B31B 2241/003** (2013.01 - EP US)

Cited by

WO2012101493A1; EP1522401A3; CN102712377A; ITMI20110092A1; CN103596845A; CN106864853A; CN112292328A; US7104943B2; US9944831B2; US9272800B2; WO2011092570A1; WO2005110853A1; EP2668104B1

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**EP 1396430 A2 20040310**; **EP 1396430 A3 20050921**; **EP 1396430 B1 20090429**; BR 0303449 A 20040908; CN 1235770 C 20060111; CN 1488555 A 20040414; DE 10241798 A1 20040318; DE 50311467 D1 20090610; JP 2004098689 A 20040402; US 7001320 B1 20060221

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**EP 03018889 A 20030820**; BR 0303449 A 20030903; CN 03155429 A 20030905; DE 10241798 A 20020906; DE 50311467 T 20030820; JP 2003315461 A 20030908; US 64976903 A 20030828