

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 A2 20040310 (DE)

Application

EP 03018889 A 20030820

Priority

DE 10241798 A 20020906

Abstract (en)

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.

Abstract (de)

Bei der Herstellung von (Zigaretten-)Packungen des Typs Klappschachtel mit Rundkanten ist eine Vorverformung von Zuschnitten (10) wünschenswert für die Fertigung qualitativ einwandfreier Klappschachteln. Die Vorverformung der Rundkanten erfolgt im Bereich eines Rundungsrevolvers (18) während des Transports der Zuschnitte (10). Diese werden beim Verlassen des Rundungsrevolvers (18) und danach in eine im Wesentlichen ebene Ausgangsstellung zurückverformt. <IMAGE>

IPC 1-7

B65B 19/22

IPC 8 full level

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 19/22** (2006.01); **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)

Citation (applicant)

- US 4753383 A 19880628 - FOCKE HEINZ [DE], et al
- US 4753384 A 19880628 - FOCKE HEINZ [DE], et al
- US 5549537 A 19960827 - FOCKE HEINZ [DE], et al

Citation (third parties)

Third party :

- DE 3522614 A1 19870115 - FOCKE & CO [DE]
- GB 838385 A 19600622 - LIESBETH SCHWARZ
- US 5558611 A 19960924 - FOCKE HEINZ [DE]
- US 5674542 A 19971007 - FOCKE HEINZ [DE], et al

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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