

Title (en)

Method and apparatus for making hinged lid boxes for cigarettes

Title (de)

Verfahren und Vorrichtung zum Herstellen von Klappschachteln für Zigaretten

Title (fr)

Procédé et dispositif pour la fabrication de boîtes à couvercle rabattant pour des cigarettes

Publication

EP 0791539 B1 19990602 (DE)

Application

EP 97102140 A 19970211

Priority

DE 19607215 A 19960226

Abstract (en)

[origin: EP0791539A1] The method involves enveloping the contents of the pack in at least one cut-out of paper, thin cardboard or similar packaging material. Individual cut-outs with stampings and folding flaps are fed in succession to a folding device, esp. a folding revolver. Each cut-out(10) is checked for correct shape while being transported to the folding device in flat form and faulty cut-outs are rejected. The cut-outs are checked by fixed opto-electronic monitoring devices (63,64) for correct shape and position of the unfolded flaps (19-24).

IPC 1-7

B65B 19/28; **B65B 57/04**

IPC 8 full level

B31B 1/26 (2006.01); **B31B 1/74** (2006.01); **B31B 3/00** (2006.01); **B31B 19/74** (2006.01); **B65B 19/28** (2006.01); **B65B 57/04** (2006.01)

CPC (source: EP US)

B65B 19/28 (2013.01 - EP US); **B65B 57/04** (2013.01 - EP US); **B31B 50/006** (2017.07 - EP US)

Cited by

EP0965523A1; DE19948017A1; EP0857652A1; US6038836A; CN103896046A; CZ297062B6; EP0962308A3; DE102007009251A1; US6308492B1; WO9965770A3

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0791539 A1 19970827; **EP 0791539 B1 19990602**; BR 9701074 A 19981215; CN 1079766 C 20020227; CN 1161298 A 19971008; DE 19607215 A1 19970828; DE 59700178 D1 19990708; JP 3961603 B2 20070822; JP H09314699 A 19971209; US 5970682 A 19991026

DOCDB simple family (application)

EP 97102140 A 19970211; BR 9701074 A 19970225; CN 97102567 A 19970225; DE 19607215 A 19960226; DE 59700178 T 19970211; JP 3926097 A 19970224; US 80561597 A 19970226