

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 de fabrication de paquets de cigarettes à charnière

Publication

EP 0885809 B1 20041208 (DE)

Application

EP 98111104 A 19980617

Priority

DE 19726324 A 19970620

Abstract (en)

[origin: EP0885809A1] On one side of the section (10) is a printed text and fold lines (16,17) on it are formed by embossment. Stamp cuts (18) are provided for limiting fold flaps. The sections in the area of a cutting unit in the packing machine are separable from a forwardly running material strip by a dividing cut process. In the area of the cutting unit, at least lateral contours of the section are producible by longitudinal cuts. The cutting unit is part of a special cutting equipment, which is connected with the packing machine by a section conveyor or stack conveyor. The cutting unit comprises several work apparatus, through which the material strip is conveyed for preparation of the sections.

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B65B 19/22

IPC 8 full level

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CPC (source: EP KR US)

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US 4715847 A 19871229 - FOCKE HEINZ [DE], et al

Cited by

DE102011117302A1; DE102011113401A1; WO2013037463A1; EP1920910A1; IT201800006390A1; CN101947867A; CN103786367A; WO2013064224A1; EP1820632B2

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EP 0885809 A1 19981223; **EP 0885809 B1 20041208**; BR 9802047 A 19991026; CN 1120118 C 20030903; CN 1205293 A 19990120; DE 19726324 A1 19981224; DE 59812349 D1 20050113; JP H1179143 A 19990323; KR 19990007175 A 19990125; US 6206815 B1 20010327

DOCDB simple family (application)

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