

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 appareil pour la fabrication de boîtes à couvercle rabattant pour cigarettes

Publication
EP 0888969 B1 20040331 (DE)

Application
EP 98110779 A 19980612

Priority
DE 19728515 A 19970704

Abstract (en)
[origin: EP0888969A1] The machine produces pre-prepared blanks, especially for hinged lid cigarette packets. Each stack of blanks (10), is aligned through the transmission of flat pressure on at least two opposite lying side faces of the stack. The alignment procedure is performed before delivery to the packing machine and especially before delivery to the stack conveyor (18), and with regard to the exact relative position of all the blanks. The stack, or several stacks, are aligned preferably on all four vertical side faces by alignment components (21-28).

IPC 1-7
B65B 19/22; B65B 43/12; B65H 31/40

IPC 8 full level
B65B 41/18 (2006.01); **B31B 50/98** (2017.01); **B65B 19/22** (2006.01); **B65B 43/12** (2006.01); **B65G 43/00** (2006.01); **B65H 31/40** (2006.01)

CPC (source: EP KR US)
B65B 19/228 (2013.01 - EP KR US); **B65B 43/126** (2013.01 - EP US); **B65H 31/40** (2013.01 - EP US); **B65B 2230/04** (2013.01 - KR);
B65H 2701/176 (2013.01 - EP US)

Designated contracting state (EPC)
CH DE GB IT LI

DOCDB simple family (publication)
EP 0888969 A1 19990107; EP 0888969 B1 20040331; BR 9802348 A 19991019; CN 1077064 C 20020102; CN 1204608 A 19990113;
DE 19728515 A1 19990107; DE 59811077 D1 20040506; JP 3980184 B2 20070926; JP H11105826 A 19990420; KR 19990013486 A 19990225;
US 5996321 A 19991207

DOCDB simple family (application)
EP 98110779 A 19980612; BR 9802348 A 19980702; CN 98115673 A 19980703; DE 19728515 A 19970704; DE 59811077 T 19980612;
JP 19082798 A 19980706; KR 19980025578 A 19980630; US 10874498 A 19980701