

Title (en)

METHOD AND DEVICE FOR MAKING HINGED-LID BOXES PROVIDED WITH A COLLAR, ESPECIALLY FOR CIGARETTES

Publication

EP 0324160 B1 19930303 (DE)

Application

EP 88121662 A 19881224

Priority

DE 3800664 A 19880113

Abstract (en)

[origin: EP0324160A1] Hinged-lid boxes, in particular for cigarettes, are equipped with a collar which extends in the region of the front wall and side walls of a box part of the hinged-lid box and projects from said part. The collar is formed from a collar blank which is cut from a web of material consisting of thin cardboard, by application to the package contents, in particular a cigarette block. <??>In efficient packaging machines, the hinged-lid boxes are produced in two production paths which run side by side. Accordingly, at the same time two collar blanks (10, 11, 12) must be fed to the cigarette blocks (15, 16) to be packed at the same time. The collar blanks (10..) are, for reasons of space, cut from a single web of material (13) and then grouped in pairs so as to lie one next to the other and finally transported by means of a transversely directed feeding conveyor (41) into the region of a transfer station (14). <??>The essentially Z-shaped paths of movement of the collar blanks (10, 11, 12) permit efficient and exact as well as interference-free conveyance of the collar blanks until they are transferred to the package contents. <IMAGE>

IPC 1-7

B65B 19/20; B65B 41/02

IPC 8 full level

B65B 9/20 (2006.01); **B65B 19/20** (2006.01); **B65B 19/22** (2006.01); **B65B 41/02** (2006.01)

CPC (source: EP US)

B65B 19/20 (2013.01 - EP US); **B65B 19/228** (2013.01 - EP US); **Y10S 493/911** (2013.01 - EP US)

Cited by

EP0432592A1; EP0994023A1; EP0890512A1; US6000196A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0324160 A1 19890719; EP 0324160 B1 19930303; BR 8900105 A 19890905; CA 1299907 C 19920505; CN 1013656 B 19910828; CN 1036735 A 19891101; DE 3800664 A1 19890727; DE 3878881 D1 19930408; JP 2723273 B2 19980309; JP H01240409 A 19890926; US 4938005 A 19900703

DOCDB simple family (application)

EP 88121662 A 19881224; BR 8900105 A 19890111; CA 587526 A 19890104; CN 89101051 A 19890112; DE 3800664 A 19880113; DE 3878881 T 19881224; JP 756389 A 19890113; US 29532489 A 19890110