Title (en)

DEVICE FOR FORMING GROUPS OF CIGARETTES COMPOSED OF SEVERAL LAYERS FOR INTRODUCTION INTO A PACK

Publication

EP 0425904 B1 19930825 (DE)

Application

EP 90119964 A 19901018

Priority

DE 3935971 A 19891028

Abstract (en)

[origin: JPH03148413A] PURPOSE: To eliminate a drawback resulting from a lower cigarette layer in which cigarettes are placed obliquely or erroneously, by a method wherein a control cam for a tamping device is provided with a step for opening each cell at least by the height of one cigarette layer with respect to each exit orifice of a funnel-shaped container and, further, a movable cam portion is provided which serves to temporarily bridge each step. CONSTITUTION: A tamping device 12 is resiliently pressed by a spring 18 and always maintained in parallel with a bottom face of a cell 4. Two rollers 10 and 20 mounted to a shaft 21 disposed in parallel with a shaft 6 are mounted to a mounting base 13 for the tamping device 12. A roller 19 is rotatably contacted with a control cam 22 which brings the tamping device 12 up to a position suitable to the tamping of cigarettes so as to form one cigarette row, and which allows the tamping device 12 to hold the cigarette row at that position until a subsequent exit orifice of a funnel- shaped container 1 comes. The control cam 22 has a step 22a, and the step allows the tamping device 12 to be spaced outward in the direction of a periphery of a turret from the bottom face of the cell by a space corresponding to the height of a cigarette layer and holds the tamping device at that position until a subsequent step comes.

IPC 1-7

B65B 19/10

IPC 8 full level

B65B 19/04 (2006.01); **B65B 19/10** (2006.01)

CPC (source: EP US)

B65B 19/10 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0425904 A1 19910508; **EP 0425904 B1 19930825**; CN 1022899 C 19931201; CN 1051331 A 19910515; DE 3935971 A1 19910502; DE 59002469 D1 19930930; JP H03148413 A 19910625; RU 1830020 C 19930723; US 5065564 A 19911119

DOCDB simple family (application)

EP 90119964 A 19901018; CN 90108629 A 19901022; DE 3935971 A 19891028; DE 59002469 T 19901018; JP 28826390 A 19901025; SU 4831380 A 19901026; US 60388090 A 19901025