

Title (en)

Apparatus and method for marking cigarette packages

Title (de)

Vorrichtung und Verfahren zum Kennzeichnen von Zigarettenspackungen

Title (fr)

Dispositif et procédé pour marquer des paquets de cigarettes

Publication

EP 1362791 B1 20051130 (DE)

Application

EP 03004932 A 20030307

Priority

DE 10221837 A 20020516

Abstract (en)

[origin: EP1362791A1] A transporting system (8) grasps a stack (9,9a) of cigarette packages (1) and delivers them to a marking station (3). At the latter station the stack is released by the transporting system so that packages can be printed with identification marks on one or more freely exposed faces (18,19). The transporting system delivers a stack from the marking station to a package separating station (4) while simultaneously supplying a following stack in a buffer station (2) into the marking station. In the marking station (3) a maximum of three package faces are exposed and/or the stack (9) is held in a fixed position by the transporting system (8) or clamping plates (10,11). The printer and/or stack are stationary or both move relative to each other during printing. Printing is produced by a laser printer or laser ablation. The marking station lies before or after a station for covering packages in plastic film and/or marked packages are individually separated for covering with film. An Independent claim is included for a process for marking cigarette packages using the claimed transporting system to deliver a stack of packages to a printing station.

IPC 1-7

B65B 61/26

IPC 8 full level

B65B 19/22 (2006.01); **B65B 61/26** (2006.01)

CPC (source: EP US)

B65B 19/22 (2013.01 - EP US); **B65B 61/26** (2013.01 - EP US); **Y10S 101/30** (2013.01 - EP US)

Cited by

CN103072806A; EP3070013A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1362791 A1 20031119; **EP 1362791 B1 20051130**; AT E311328 T1 20051215; DE 10221837 A1 20031224; DE 10221837 B4 20051020; DE 50301783 D1 20060105; US 2004079243 A1 20040429; US 6857358 B2 20050222

DOCDB simple family (application)

EP 03004932 A 20030307; AT 03004932 T 20030307; DE 10221837 A 20020516; DE 50301783 T 20030307; US 43838703 A 20030515