

Title (en)

A device and procedure for the batch transfer of tobacco products

Title (de)

Vorrichtung und Verfahren zum chargenweisen Transfer von Tabakprodukten

Title (fr)

Dispositif et procédure pour le transfert par lots de produits du tabac

Publication

EP 1795076 B1 20100317 (EN)

Application

EP 06125020 A 20061129

Priority

IT BO20050733 A 20051201

Abstract (en)

[origin: EP1795076A1] Cigarettes are transferred in batches adopting a procedure that includes the steps of feeding loose cigarettes (2) en masse into a hopper (13) with a back wall (22) and two side walls (23) delimiting a top inlet (24a) and a bottom outlet (24b), also a shutter (25) by which the bottom outlet (24b) is opened or closed, and actively varying the geometry of the side walls (23) so that the internal volume of the hopper (13) is adapted to accommodate the quantity of cigarettes (2) admitted through the inlet (24a), by means of an actuator mechanism (31) connected to the side walls (23). Thus, it becomes possible to monitor and control both the rate at which the cigarettes (2) flow into the hopper (13), and the pressure to which the single cigarettes (2) are subjected while occupying the hopper (13) and during the process of filling a tray (3).

IPC 8 full level

A24C 5/354 (2006.01)

CPC (source: EP US)

A24C 5/354 (2013.01 - EP US)

Cited by

EP2022348A3; CN102811630A; CN108135281A; ITBO20130487A1; EP2848134A1; US8322511B2; US9681682B2; US8869968B2; US8662088B2; WO2011099880A1; WO2012074422A1; JP2009028044A; EP3679810B1

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