

Title (en)
DEVICE FOR FEEDING CIGARETTES FROM TRAYS TO A PACKAGING MACHINE OR THE LIKE

Publication
EP 0022943 B1 19840125 (DE)

Application
EP 80103641 A 19800627

Priority
DE 2929660 A 19790721

Abstract (en)
[origin: US4336873A] Cigarettes 10 gravity discharged from a container supply stack 11 are transported by an elongated intermediate conveyor 12 to a funnel-like distribution chamber 16, and from then flow onto a transfer conveyor 27 in a main stream and into a buffer storage magazine 23 in a smaller stream. The magazine comprises a bidirectionally movable belt 24 having an angled endwall 25 mounted on it. A hinged sidewall 13 is repeatedly flapped against the cigarette ends by a roller driven cam 33 and follower 32 to evenly align them transverse to the direction of conveyance, and misaligned ones fall through lateral sideslots 37, 38 of the intermediate conveyor onto an angled deflection plate 39. Lightbeams 21, 22 in the distribution chamber monitor and control the level of the cigarette flow stream. The magazine is appropriately controlled for filling or discharge to maintain a constant output flow when the supply stacks are being changed.

IPC 1-7
A24C 5/356; **A24C 5/35**

IPC 8 full level
A24C 5/35 (2006.01); **A24C 5/356** (2006.01)

CPC (source: EP US)
A24C 5/35 (2013.01 - EP US); **A24C 5/356** (2013.01 - EP US)

Cited by
EP0177688A3; EP0100494A1; WO2008110390A1

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EP 80103641 A 19800627; CA 356653 A 19800721; DE 2929660 A 19790721; US 16089480 A 19800619