

Title (en)

DEVICE FOR FORMING SEPARATED STACKS OF AN EQUAL NUMBER OF DISC-LIKE ARTICLES FROM A STACK IN MOTION  
DEVICE FOR FORMING SEPARATED STACKS OF AN EQUAL NUMBER OF DISC-LIKE ARTICLES FROM A STACK IN MOTION

Publication

**EP 0299297 A3 19890830 (DE)**

Application

**EP 88110535 A 19880701**

Priority

DE 3722976 A 19870711

Abstract (en)

[origin: US4869359A] The apparatus for forming separate piles of equal-numbers of workpieces, especially can covers, from a stack moving longitudinally in a feed trough is equipped with an electronic counter and controller with a sensor responding to the edge of the workpiece which operates without contact with the workpiece and with a feed device which is shiftable into a clamped and a released position engaged on the stack upstream of the sensor in the feed direction. It is drivable in the clamped position with at least two feed speeds. Moreover a separating mechanism is provided with a separating wedge movable to-and-fro transverse to the stack to form a separating gap in the edge region between the adjacent workpieces of the pile and the stack together with two separating knives guidable into the separating gap which are connected with a drive acting in the longitudinal direction of the stack. The new apparatus can be mounted at each position along the conveying trough without interruption of or blocking the trough. A very exact counting with larger tolerances for the cover edges is possible. it is easy to adjust the apparatus to different cover sizes.

IPC 1-7

**B65B 57/20**; **G06M 9/00**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- DD 222838 A5 19850529 - KARGES HAMMER MASCHF [DE]
- DE 1933125 B2 19770707
- DE 2417527 A1 19741031 - FLEETWOOD SYST INC
- DE 3333521 A1 19850411 - HALLE EBERHARD

Cited by

US5408090A; GB2266768A; GB2266768B

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