

Title (en)

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

Publication

EP 0299297 B1 19920325 (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 spreads. 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

B65B 57/20 (2006.01); **G06M 9/00** (2006.01)

CPC (source: EP US)

G06M 3/02 (2013.01 - EP US); **G06M 9/00** (2013.01 - EP US)

Cited by

US5408090A; GB2266768A; GB2266768B

Designated contracting state (EPC)

BE DE FR GB IT LU NL SE

DOCDB simple family (publication)

DE 3722976 C1 19880825; CA 1316189 C 19930413; DE 3869499 D1 19920430; EP 0299297 A2 19890118; EP 0299297 A3 19890830; EP 0299297 B1 19920325; US 4869359 A 19890926

DOCDB simple family (application)

DE 3722976 A 19870711; CA 571594 A 19880708; DE 3869499 T 19880701; EP 88110535 A 19880701; US 21743088 A 19880708