

Title (en)

Automatic feeder for processing the return of unsold articles

Title (de)

Automatische Zufuhrvorrichtung zum Verarbeiten von zurückgelieferten nichtverkauften Produkten

Title (fr)

Dispositif automatique d'alimentation pour traiter des produits retournés invendus

Publication

EP 0879777 A1 19981125 (EN)

Application

EP 98112638 A 19940126

Priority

- EP 94905110 A 19940126
- ES 9300138 A 19930127
- ES 9300422 A 19930303

Abstract (en)

The device is comprised of an unpackaging station for the unsold articles or magazines, a computer for introducing an identification code for each package of unsold articles, a first access conveyor (8) which opens into the machine (1), a second conveyor (11) for atypical articles and a third conveyor (14) for identified unsold copies, as well as an other optional conveyor (15) for extemporaneous unsold copies. A fifth conveyor (16) extends from an auxiliary station (12) to storage means with a carousel (17). The articles are fed on an inclined endless belt, passing through an optoelectronic station (25b) for identification purposes. Means for correcting the position of the papers and magazines are provided. There is provided an automatic feed device, on a unitary and continuous basis, towards the conveyor of the machine, comprised of a receiving hopper (57) with an inclined grooved bed (58), a fixed wall (59) and a movable wall which pushes the stack towards a suction cup (61) with a reciprocating motion. <IMAGE>

IPC 1-7

B65H 1/08; **B65H 3/08**

IPC 8 full level

B07C 3/08 (2006.01); **B07C 5/34** (2006.01); **B65H 1/14** (2006.01); **B65H 3/08** (2006.01)

CPC (source: EP)

B07C 3/08 (2013.01); **B07C 5/3412** (2013.01); **B65H 1/025** (2013.01); **B65H 3/0816** (2013.01); **B65H 31/309** (2013.01); **B65H 2301/324** (2013.01); **B65H 2301/42268** (2013.01); **B65H 2406/342** (2013.01); **B65H 2513/50** (2013.01); **B65H 2701/176** (2013.01)

Citation (search report)

- [A] DE 3515068 A1 19861030 - STAUFNER HELMUT [DE]
- [A] DE 3605037 A1 19870820 - STAUFNER HELMUT
- [A] US 3718217 A 19730227 - STOBBS R, et al

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0879777 A1 19981125; DE 69417144 D1 19990422; DE 69417144 T2 19990923; DE 69425988 D1 20001026; EP 0649685 A1 19950426; EP 0649685 B1 19990317; EP 0887121 A1 19981230; EP 0887121 B1 20000920; WO 9416830 A2 19940804; WO 9416830 A3 19950316

DOCDB simple family (application)

EP 98112638 A 19940126; DE 69417144 T 19940126; DE 69425988 T 19940126; EP 94905110 A 19940126; EP 98112639 A 19940126; ES 9400008 W 19940126