

Title (en)
Loading and unloading device for folded products.

Title (de)
Belade- und Entladevorrichtung für Falzprodukte.

Title (fr)
Dispositif de chargement et de déchargement pour produits pliés.

Publication
EP 0190641 A2 19860813 (DE)

Application
EP 86101068 A 19860127

Priority
DE 3504085 A 19850207

Abstract (en)
[origin: US4662620A] To provide for transfer of folded products, such as folded printed sheets received from a printing machine, between storage bins and a conveyor transport system, transport sheets which, at least in part, are magnetizable, are retained in the storage bins; a transfer element (9) in form of an endless elongated belt or the like has electromagnets secured thereto which are selectively energized to pick up the transfer sheets. The transfer element or belt is guided in a path past a delivery end (7") of a storage holder, then into the path of the transport system (2, 3) for transfer of folded products (1) from or to the sheets, and return of the sheets to a receiving end of the storage bin, at which point the magnets are deenergized to release the sheets into the bin, and can continue to travel-while deenergized-in an endless path for subsequent pick-up of sheets.

Abstract (de)
Die an ihren Falzrücken hängenden Falzexemplare werden durch Platten übernommen, die in die gespreizten Falzexemplare in einer Aufwärtsbewegung einfahren. Die Platten werden durch Magnete angezogen, die an einem umlaufenden Transportsystem im vorgegebenen Abstand angeordnet sind. Die die Falzexemplare tragenden Platten werden an einen als Speicher dienenden schrägstehenden Behälter übergeben. Es ist auch möglich, von dem gefüllten Behälter die Falzexemplare wieder auf Stäbe einer umlaufenden Transportvorrichtung aufzuhängen.

IPC 1-7
B65H 5/32; **B65H 29/00**; **B65H 3/16**

IPC 8 full level
B65H 31/24 (2006.01); **B65H 3/16** (2006.01); **B65H 5/26** (2006.01); **B65H 5/30** (2006.01); **B65H 5/32** (2006.01); **B65H 29/00** (2006.01); **B65H 29/04** (2006.01); **B65H 83/00** (2006.01)

CPC (source: EP US)
B65H 5/32 (2013.01 - EP US); **B65H 29/00** (2013.01 - EP US); **B65H 2301/3221** (2013.01 - EP US); **B65H 2301/323** (2013.01 - EP US); **Y10S 271/901** (2013.01 - EP US)

Cited by
CH687321A5

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0190641 A2 19860813; **EP 0190641 A3 19880330**; **EP 0190641 B1 19890531**; DE 3504085 A1 19860807; DE 3504085 C2 19870129; DE 3663650 D1 19890706; JP H0629094 B2 19940420; JP S6231625 A 19870210; US 4662620 A 19870505

DOCDB simple family (application)
EP 86101068 A 19860127; DE 3504085 A 19850207; DE 3663650 T 19860127; JP 2223886 A 19860205; US 82655986 A 19860206