Title (en)

Device for gathering various printed products.

Title (de)

Einrichtung zum Zusammentragen unterschiedlicher Druckprodukte.

Title (fr)

Dispositif pour assembler différents produits imprimés.

Publication

EP 0218872 B1 19931020 (DE)

Application

EP 86111965 A 19860829

Priority

CH 420285 A 19850927

Abstract (en)

[origin: US4706951A] A plurality of hoppers or bins which are product-loadable from above are uniformly spaced from each other and are transported along a path of conveyance. The hoppers or bins, each of which is bounded by two walls or faces which are substantially transverse to the direction of conveyance, pass by a plurality of individual infeed conveyors which are staggerdly arranged in the direction of conveyance. These individual infeed conveyors possess controllable grippers or clamps which are spaced from one another. These mutually spaced clamps or grippers are used to load or fill each hopper or bin with a printed product. The mutual spacing of successive clamps or grippers and their circulating speed substantially correspond to the mutual separation distance or spacing and the circulating speed of the hoppers or bins. In order to accommodate as many hoppers or bins as possible per unit length of the path of conveyance of the hoppers or bins and still assure the problem-free loading of the hoppers or bins, each individual infeed conveyor passes over the path of conveyance of the hoppers or bins with its product transfer or delivery region inclined or sloping towards the path of conveyance. Furthermore, the product transfer or delivery region of each individual infeed conveyor is provided with a guide plate in order to guide the freely suspended edges of the printed products into the loading or infeed opening of the hoppers or bins.

IPC 1-7

B65H 39/075

IPC 8 full level

B65H 29/04 (2006.01); **B65H 31/24** (2006.01); **B65H 31/28** (2006.01); **B65H 39/075** (2006.01)

CPC (source: EP US)

B65H 29/28 (2013.01 - EP US); **B65H 39/075** (2013.01 - EP US); B65H 2301/323 (2013.01 - EP US); B65H 2301/4321 (2013.01 - EP US); B65H 2301/44712 (2013.01 - EP US)

Cited by

US4968710A; EP0896946A3; EP0602593A1; EP0857681A1; EP0870710A1; EP0384119A3; EP0680916A1; US5713565A; US5104108A; EP2153913A1; EP1911532A3; US7762385B2; WO2009049438A1; US8424861B2; US7565966B2; EP0354343B1

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AT DE GB IT SE

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EP 0218872 A2 19870422; **EP 0218872 A3 19890405**; **EP 0218872 B1 19931020**; AT E96123 T1 19931115; AU 577487 B2 19880922; AU 6313986 A 19870402; CA 1267167 A 19900327; CH 668245 A5 19881215; DE 3689189 D1 19931125; FI 83413 B 19910328; FI 83413 C 19910710; FI 863876 A0 19860925; FI 863876 A 19870328; JP H0818739 B2 19960228; JP S6283971 A 19870417; US 4706951 A 19871117; US 4706951 B1 19930615

DOCDB simple family (application)

EP 86111965 A 19860829; AT 86111965 T 19860829; AU 6313986 A 19860925; CA 518927 A 19860924; CH 420285 A 19850927; DE 3689189 T 19860829; FI 863876 A 19860925; JP 22631486 A 19860926; US 91038686 A 19860922