

Title (en)

Device for withdrawing and depositing semirigid cartons

Title (de)

Vorrichtung zur Entnahme und zum Einlegen von halbsteifen Kartonbehältern

Title (fr)

Appareil pour le retrait et le dépôt de cartons semi-rigide

Publication

EP 0806292 A3 19990331 (EN)

Application

EP 97107559 A 19970507

Priority

IT BO960252 A 19960508

Abstract (en)

[origin: EP0806292A2] A device (1) for withdrawing and depositing semirigid cartons (2) having a rectangular-section tubular body (3), wherein a withdrawing assembly (11), rotating about a horizontal axis (10), has a number of pneumatic heads (23) for withdrawing the cartons (2), with the respective tubular bodies (3) flattened, from a release station (6); and a number of pneumatic flexing tools (58), each cooperating with a respective head (23) to restore the aforementioned section to a rectangular shape; the heads (23) and flexing tools (58) feeding the parallelepiped cartons (2) on to an adjustable chute (12), and successively depositing the cartons (2) into respective pockets (8) on a pocket conveyor (7). <IMAGE>

IPC 1-7

B31B 5/80

IPC 8 full level

B31B 5/80 (2006.01); **B65B 43/18** (2006.01)

CPC (source: EP US)

B31B 50/804 (2017.08 - EP US); **B65B 43/185** (2013.01 - EP); **B65B 43/305** (2013.01 - EP); **B31B 2100/00** (2017.08 - EP US); **B31B 2120/30** (2017.08 - EP US); **B65B 5/04** (2013.01 - EP)

Citation (search report)

- [XA] EP 0705684 A1 19960410 - AZIONARIA COSTRUZIONI ACMA SPA [IT]
- [A] GB 2207656 A 19890208 - IMA SPA
- [A] FR 2478576 A1 19810925 - MARCHESINI MASSIMO [IT], et al
- [A] EP 0434961 A1 19910703 - BOSCH GMBH ROBERT [DE]
- [A] US 5176612 A 19930105 - CALVERT RODNEY K [US], et al
- [A] US 4194442 A 19800325 - MARTELLI GUGLIELMO [IT]

Cited by

CN107600544A; EP2522578A3; ITBO20110263A1; US8919533B2; WO2011047810A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0806292 A2 19971112; **EP 0806292 A3 19990331**; IT 1285690 B1 19980618; IT BO960252 A0 19960508; IT BO960252 A1 19971108; JP H1053220 A 19980224

DOCDB simple family (application)

EP 97107559 A 19970507; IT BO960252 A 19960508; JP 11841197 A 19970508