

Title (en)

Handling process and assembly, particularly for automatic machines

Title (de)

Handhabungsverfahren und -anordnung, insbesondere für automatische Maschinen

Title (fr)

Procédé de manipulation et assemblage, en particulier pour machines automatiques

Publication

EP 2354011 A1 20110810 (EN)

Application

EP 11152865 A 20110201

Priority

IT BO20100065 A 20100205

Abstract (en)

A process for handling at least one enclosure, preferably of the type of an envelope and the like, which consists in gripping, in a step a., the enclosure (A) with at least one grip element (2), at an upstream station (B) for filling and cutting the enclosure (A), particularly in an automatic machine and preferably substantially simultaneously with the cutting operations; conveying, in a step b., the enclosure (A), keeping it suspended in a controlled and predefined position preferably corresponding to the position assumed during cutting, by means of the grip element (2), along a transfer line (3) from the upstream station (B) to a downstream station (C); delivering, in a step c., the enclosure (A), keeping it in a controlled and predefined position, to the downstream station (C).

IPC 8 full level

B65B 5/08 (2006.01); **B65B 5/10** (2006.01); **B65B 35/18** (2006.01); **B65B 61/28** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XAY] DE 10338655 A1 20050317 - BOSCH GMBH ROBERT [DE]
- [X] DE 9012050 U1 19901025
- [X] US 3864895 A 19750211 - PETREA JAMES C
- [X] DE 102005046603 A1 20070405 - BOSCH GMBH ROBERT [DE]
- [X] EP 0247419 A1 19871202 - HAENSEL OTTO GMBH [DE]
- [Y] GB 1465203 A 19770223 - JONES & CO INC R A
- [Y] US 3553934 A 19710112 - JOHNSON KENNETH R, et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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