

Title (en)

Method for inserting individual products into containers in a robotic line

Title (de)

Verfahren zum Einlegen von Einzelprodukten in Behälter in einer Roboterstrasse

Title (fr)

Procédé d'insertion de produits individuels dans des récipients dans une suite de robots

Publication

EP 2664553 A3 20161005 (DE)

Application

EP 12191048 A 20121102

Priority

- EP 12166610 A 20120503
- EP 12191048 A 20121102

Abstract (en)

[origin: EP2664553A2] The method involves defining a counting position (8) in a product band (6). The target position (1c) in the picker line (1) is changed in a shifting region (1b), when product band and a container conveyor belt (7) move at the specified speed. The actual speed of the slowest container conveyor belt is changed such that the target position is displaced relative to the counting position in the shifting region, during shifting of the products on the product band at the associated counting position, and according to deviation of the maximum number of times of the transported products. An independent claim is included for a robotic line.

IPC 8 full level

B65B 5/10 (2006.01); **B65B 5/12** (2006.01)

CPC (source: EP US)

B65B 5/06 (2013.01 - US); **B65B 5/105** (2013.01 - EP US); **B65B 5/12** (2013.01 - EP US)

Citation (search report)

- [A] DE 29701564 U1 19970327 - SCHUBERT GERHARD GMBH [DE]
- [A] CH 693710 A5 20031231 - SIG PACK SYSTEMS AG [CH]

Cited by

DE102019113287A1; EP3909872A1; CN113716111A; US11542107B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2664553 A2 20131120; EP 2664553 A3 20161005; EP 2664553 B1 20170920; US 2014123606 A1 20140508

DOCDB simple family (application)

EP 12191048 A 20121102; US 201314070449 A 20131101