

Title (en)

Packing device for packing articles in a mix of varieties in a packing box, and such packing method

Title (de)

Verpackungsvorrichtung zur Verpackung von Artikeln in unterschiedlichen Varianten in einer Verpackungskiste sowie solch ein Verpackungsverfahren

Title (fr)

Dispositif d'emballage pour l'emballage d'articles dans un mélange de variétés de boîte d'emballage et procédé d'emballage

Publication

**EP 2631185 A1 20130828 (EN)**

Application

**EP 13156148 A 20130221**

Priority

NL 2008331 A 20120222

Abstract (en)

A packing device (100) for packing articles (PA, PB, PC, P) of at least two varieties in a packing box (10) comprises a packing station (200) for collecting the articles and providing collected articles in the packing box; at least two supply lines (110, 115), each for supplying articles to the packing station (200) at a discharging end (111, 116) of each supply line in a predetermined mix of varieties of articles; and an exchange station (120) allowing exchange of articles in between supply lines. The packing station collects articles from the discharging (111, 116) end of the supply line in a row of articles of a predetermined mix of varieties, and it is configured for providing the row of articles in the packing box such that the row of articles extends from a front side of the packing box to a backside of the packing box, the front side being a viewing side of the packing box.

IPC 8 full level

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CPC (source: EP)

**B65B 5/061** (2013.01); **B65B 5/10** (2013.01); **B65B 35/36** (2013.01); **B65B 35/44** (2013.01); **B65B 35/54** (2013.01); **B65B 2220/14** (2013.01)

Citation (search report)

- [Y] EP 1268317 B1 20040609 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [Y] DE 4433361 A1 19960321 - SZA FEDERSPIEL GMBH & CO KG [DE]
- [Y] EP 0700832 A2 19960313 - PAAL KG HANS [DE]
- [Y] DE 202004014439 U1 20041118 - STOEVEER PRODUKTION GMBH & CO K [DE]
- [Y] EP 1979234 B1 20100519 - BLUEPRINT HOLDING BV [NL]
- [A] US 2630951 A 19530310 - SLIGHTAM PAUL E
- [A] DE 10223569 A1 20031211 - TRAPO AG [DE]
- [A] JP H0872803 A 19960319 - SEIKO CORP

Cited by

CN113479375A; DE102015108895A1; EP3851392A1; JP2021113059A; EP2960169A1; US10919657B2; US10035616B1

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

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