

Title (en)
SYSTEM FOR HANDLING PACKAGING GOODS AND METHOD FOR THE EXCHANGE OF HANDLING DEVICES WITHIN A HANDLING AND/OR PACKING MACHINE

Title (de)
SYSTEM ZUR HANDHABUNG VON VERPACKUNGSGÜTERN UND VERFAHREN ZUM AUSTAUSCH VON HANDHABUNGSEINRICHTUNGEN INNERHALB EINER HANDHABUNGS- UND/ODER PACKMASCHINE

Title (fr)
SYSTÈME DE MANIPULATION D'ARTICLES À EMBALLER ET PROCÉDÉ D'ÉCHANGE DES DISPOSITIFS DE MANIPULATION À L'INTÉRIEUR D'UNE MACHINE DE MANIPULATION ET/OU D'EMBALLAGE

Publication
EP 3381818 B1 20201125 (DE)

Application
EP 18156789 A 20180214

Priority
DE 102017205374 A 20170329

Abstract (en)
[origin: CN209009035U] A system for handling packaged goods, bulk goods, and/or strapping is disclosed. The system comprises an operation and/or packaging machine. The handling and/or packaging machine has at least one handling device and an introduction frame which is associated with the handling device and has a size corresponding to the size of the bulk goods and/or strapping elements for introducing the bulk goods into the intermediate container. The handling device has a gripper head for receiving individual pieces of bulk goods, such as liquid containers, and for introducing them into intermediate containers and/or for removing them from these intermediate containers in the event of the formation of strapping elements. Furthermore, the system comprises a stationary and/or spatially relative operating and/or packaging machine-defined position of the warehouse, the warehouse has a plurality of storage positions for receiving suites, each suite being formed at least by an actuating device having a gripperhead associated with the actuating device and by an introduction frame associated with the respective actuating device and automatically lockable with the actuating device.

IPC 8 full level
B65B 21/18 (2006.01); **B65B 59/04** (2006.01)

CPC (source: EP)
B65B 21/18 (2013.01); **B65B 59/04** (2013.01)

Citation (opposition)
Opponent : KHS GmbH

- EP 2226253 B1 20160518 - KRONES AG [DE]
- DE 102008062580 A1 20100617 - KRONES AG [DE]
- EP 2907762 A1 20150819 - MULTIVAC SEPP HAGGENMÜLLER GMBH & CO KG [DE]
- DE 3411117 A1 19851003 - KETTNER VERPACKUNGSMASCHF [DE]
- DE 102009003542 A1 20100902 - KRONES AG [DE]
- WO 2012152443 A2 20121115 - CFS GERMANY GMBH [DE], et al
- "betriebsanleitung Packer Innopack PPZ E1-3100", INNOPACK, pages 1 - 256
- ANONYMOUS: "Die Paulaner-Tagung", BRAUWELT NEWSLETTER, vol. 11, 1 January 2017 (2017-01-01), pages 1 - 2, XP055837615

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IT202000016654A1; WO2022009065A3

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