

Title (en)
MACHINE AND METHOD FOR AUTOMATICALLY CAPPING CONTAINERS, AND PACKAGING LINE COMPRISING SAID MACHINE

Title (de)
MASCHINE UND VERFAHREN ZUM AUTOMATISCHEN VERSCHLIESSEN VON BEHÄLTERN UND VERPACKUNGSLINIE MIT BESAGTER MASCHINE

Title (fr)
MACHINE ET PROCÉDÉ DE CAPSULAGE AUTOMATIQUE DE RÉCIPIENTS, ET LIGNE D'EMBALLAGE COMPRENANT LADITE MACHINE

Publication
EP 3921237 A1 20211215 (EN)

Application
EP 20707844 A 20200205

Priority
• IT 201900001725 A 20190206
• IT 2020050021 W 20200205

Abstract (en)
[origin: WO2020161759A1] Apparatus for capping containers (101), comprising a plurality of mobile transport units (12A, 12C, 12E, 12G; 12B, 12D, 12F, 12H), rotatably positioned around a main axis of rotation (Z), and configured to pick up caps (102) individually fed by a feed line (103) and to deposit each of them on a respective container (101) to be capped and advancing on a transport line (109), wherein each transport unit (12A, 12C, 12E, 12G; 12B, 12D, 12F, 12H) comprises a gripping head (30) to grip the caps (102), able to be driven into rotation on itself around an axis of longitudinal development (T), and the apparatus also comprises at least two movement groups (13; 14), driven by respective motor members (28, 29), and each configured to move a respective group of said transport units (12A, 12C, 12E, 12G; 12B, 12D, 12F, 12H) between a retracted condition (R), in which the transport units (12A, 12C, 12E, 12G; 12B, 12D, 12F, 12H) are closer to the main axis of rotation (Z), and an extended condition (E), in which the transport units (12A, 12C, 12E, 12G, 12B, 12D, 12F, 12H) are more distant from the main axis of rotation (Z).

IPC 8 full level
B65B 7/28 (2006.01); **B65B 25/00** (2006.01); **B65B 35/58** (2006.01); **B65B 59/00** (2006.01)

CPC (source: EP)
B65B 7/2807 (2013.01); **B65B 35/58** (2013.01); **B65B 25/005** (2013.01); **B65B 59/00** (2013.01)

Citation (search report)
See references of WO 2020161759A1

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)
WO 2020161759 A1 20200813; CN 113646234 A 20211112; CN 113646234 B 20221122; EP 3921237 A1 20211215; EP 3921237 B1 20230405; IT 201900001725 A1 20200806

DOCDB simple family (application)
IT 2020050021 W 20200205; CN 202080024903 A 20200205; EP 20707844 A 20200205; IT 201900001725 A 20190206