

Title (en)
CLOSING MACHINE

Title (de)
VERSCHLIESSMASCHINE

Title (fr)
MACHINE DE FERMETURE

Publication
EP 2300352 A1 20110330 (DE)

Application
EP 09757206 A 20090527

Priority
• EP 2009003755 W 20090527
• DE 102008026632 A 20080604

Abstract (en)
[origin: WO2009146823A1] Closing machine for closing bottles or similar containers (2) using closures (3, 3a), having a plurality of closing stations (11) which each have a closing tool (12, 14) and a container carrier and are formed on the circumference of a rotor (4), which can be driven in circulation around a vertical machine axis (MA), wherein the rotor (4) has formed on it, in the region of the closing stations (11), a sterile chamber (5) which is bounded in the direction of the surroundings by walls or wall portions (6, 7, 8, 9) and into which the containers (2), which are retained in a hanging state on the container carriers, extend by way of their container mouth (2.1) which is to be closed, and wherein the respective closing tool (12, 14) extends into the sterile chamber (5) merely by way of a part which interacts with the container (2) which is to be closed and/or with the closure (3, 3a), all the rest of its functional elements being arranged outside the sterile chamber (5).

IPC 8 full level
B67B 3/02 (2006.01); **B67B 3/20** (2006.01); **B67C 7/00** (2006.01)

CPC (source: EP US)
B67B 3/02 (2013.01 - EP US); **B67B 3/2033** (2013.01 - EP US); **B67C 7/0086** (2013.01 - EP US); **B67B 2201/08** (2013.01 - EP US); **B67C 2003/228** (2013.01 - EP US)

Citation (search report)
See references of WO 2009146823A1

Cited by
WO2016088005A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008026632 A1 20091210; EP 2300352 A1 20110330; EP 2300352 B1 20140312; PL 2300352 T3 20140829; SI 2300352 T1 20140530; US 2011072762 A1 20110331; US 9745183 B2 20170829; WO 2009146823 A1 20091210

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