

Title (en)

FILLING MACHINE PROVIDED WITH A CLEANING DEVICE WITH A DEFORMABLE MEMBRANE

Title (de)

FÜLLMASCHINE MIT REINIGUNGSVORRICHTUNG MIT VERFORMBARER MEMBRAN

Title (fr)

MACHINE DE REMPLISSAGE ÉQUIPÉE D'UN DISPOSITIF DE NETTOYAGE AVEC MEMBRANE DEFORMABLE

Publication

EP 2121503 A1 20091125 (FR)

Application

EP 08761768 A 20080116

Priority

- FR 2008000048 W 20080116
- FR 0700397 A 20070122

Abstract (en)

[origin: FR2911594A1] The machine has a filling tube (32) and a cleaning device comprising a collecting element (4) fixed with a circular flow-through opening (41). A displacement unit displaces a movable closure element (5) between operational and retracted positions. The element (5) has an elastically circular deformable membrane (51) mounted on a horizontal annular plate support (62). The element (5) forms a sealed deformation chamber (67) with the support to receive pressurized fluid in order to deform the membrane for closing the opening when the support is brought in the operational position by the unit.

IPC 8 full level

B67C 3/26 (2006.01); **B67C 3/00** (2006.01)

CPC (source: EP US)

B67C 3/004 (2013.01 - EP US)

Citation (search report)

See references of WO 2008107539A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2911594 A1 20080725; FR 2911594 B1 20090403; AT E556025 T1 20120515; CN 101626973 A 20100113; CN 101626973 B 20110810; EP 2121503 A1 20091125; EP 2121503 B1 20120502; ES 2387335 T3 20120920; JP 2010516442 A 20100520; JP 4956623 B2 20120620; MX 2009007799 A 20090731; US 2010107557 A1 20100506; US 8387668 B2 20130305; WO 2008107539 A1 20080912

DOCDB simple family (application)

FR 0700397 A 20070122; AT 08761768 T 20080116; CN 200880001515 A 20080116; EP 08761768 A 20080116; ES 08761768 T 20080116; FR 2008000048 W 20080116; JP 2009545972 A 20080116; MX 2009007799 A 20080116; US 52414708 A 20080116