

Title (en)

Device for closing bottles and similar containers

Title (de)

Vorrichtung zum Verschliessen von Flaschen und ähnlichen Behältern

Title (fr)

Dispositif pour fermer des bouteilles et des récipients similaires

Publication

EP 1142827 B1 20021002 (DE)

Application

EP 01104621 A 20010223

Priority

DE 10016666 A 20000404

Abstract (en)

[origin: EP1142827A1] The filling-machine for receptacles (18) incorporates a unit (10) for fitting tops (38) onto the receptacles' orifices (37) by means of at least two suction arms (19) radially protruding from a shared pivot axis and exposed to a vacuum. The suction-arms alternately take a lid from the same magazine (24) and perform a swivel movement to place the top. The coupling of suction-arm movements is produced by a mechanical connection (28) consisting of a linkage of rigid elements (29,31,32).

IPC 1-7

B67B 3/062; **B67B 3/06**

IPC 8 full level

B65B 7/28 (2006.01); **B67B 1/10** (2006.01); **B67B 3/06** (2006.01); **B67B 3/062** (2006.01); **B67C 7/00** (2006.01)

CPC (source: EP US)

B67B 3/003 (2013.01 - EP US); **B67B 3/06** (2013.01 - EP US); **B67B 3/062** (2013.01 - EP US)

Cited by

CN110435950A; CN107311096A; CN116654853A; WO2018178868A1; WO2009044338A3

Designated contracting state (EPC)

CH DE FR IT LI NL SE

DOCDB simple family (publication)

EP 1142827 A1 20011010; **EP 1142827 B1 20021002**; DE 10016666 A1 20011018; DE 50100032 D1 20021107; JP 2001315897 A 20011113; JP 3867264 B2 20070110; US 2001032437 A1 20011025; US 6564529 B2 20030520

DOCDB simple family (application)

EP 01104621 A 20010223; DE 10016666 A 20000404; DE 50100032 T 20010223; JP 2001103876 A 20010227; US 82516801 A 20010403