

Title (en)

Device for withdrawing or unscrewing closures from containers

Title (de)

Vorrichtung zum Herausziehen oder Abdrehen von Verschlüssen von Gefässen

Title (fr)

Dispositif pour retirer ou dévisser des fermetures de récipients

Publication

EP 0736481 B1 19991013 (DE)

Application

EP 96105314 A 19960403

Priority

DE 19512905 A 19950406

Abstract (en)

[origin: EP0736481A2] The receptacle is gripped by a holder, and a stopper-holder (10) holds the stopper and performs a linear and turning movement. The receptacle in a frame is raised with a gripper in the frame or pulled out of the frame, and the stopper for the receptacle is inserted into the stopper-holder. The gripper next grips round the receptacle and is then opened a little. It is then moved upwards so that the gripper holds the receptacle below its rim or below the stopper.

IPC 1-7

B67B 7/02; **B67B 7/18**

IPC 8 full level

B67B 7/02 (2006.01); **B67B 7/18** (2006.01)

CPC (source: EP US)

B67B 7/02 (2013.01 - EP US); **B67B 7/182** (2013.01 - EP US)

Cited by

DE102011081748A1; WO2014020168A1; EP0972744A3; CN115445515A; CN109110705A; ITLU20100011A1; EP0899233A1; CN110639638A; US6257091B1; DE102012213821A1; WO2013030196A1; EP2886508A1; US10494243B2

Designated contracting state (EPC)

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EP 0736481 A2 19961009; **EP 0736481 A3 19961204**; **EP 0736481 B1 19991013**; DE 19512905 A1 19961010; DE 59603319 D1 19991118; ES 2139270 T3 20000201; JP H08276989 A 19961022; US 5819508 A 19981013

DOCDB simple family (application)

EP 96105314 A 19960403; DE 19512905 A 19950406; DE 59603319 T 19960403; ES 96105314 T 19960403; JP 8157296 A 19960403; US 62762096 A 19960404