

Title (en)

GRIPPING DEVICE FOR PICKING UP CONTAINERS AND CLOSURES AND FOR CLOSING THE CONTAINERS

Title (de)

GREIFVORRICHTUNG ZUM AUFNEHMEN VON BEHÄLTERN UND VERSCHLÜSSEN SOWIE ZUM VERSCHLIESSEN DER BEHÄLTER

Title (fr)

DISPOSITIF DE PRÉHENSION POUR LA RÉCEPTION DE CONTENANTS ET D'ÉLÉMENTS DE FERMETURE ET POUR LA FERMETURE DES CONTENANTS

Publication

EP 2279122 A1 20110202 (DE)

Application

EP 09733978 A 20090401

Priority

- EP 2009053852 W 20090401
- DE 102008001288 A 20080421

Abstract (en)

[origin: US2011030316A1] The invention relates to a gripping device which has a container picking up device and a closure pick up device for picking up and closing containers. The container pick up device is designed to pick up the container, and the closure pick up device is designed to pick up a closure. The closure pick up device is connected to the container pick up device by means of a connecting element which allows a relative movement between the container pick up device and the closure pick up device to take place in order for the container to be closed with the closure.

IPC 8 full level

B65B 7/28 (2006.01); **B67B 1/04** (2006.01)

CPC (source: EP US)

B65B 7/2821 (2013.01 - EP US); **B67B 1/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2009130114A1

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)

US 2011030316 A1 20110210; AT E515437 T1 20110715; CN 102015456 A 20110413; CN 102015456 B 20151125; DE 102008001288 A1 20091022; EP 2279122 A1 20110202; EP 2279122 B1 20110706; JP 2011518090 A 20110623; JP 5328893 B2 20131030; WO 2009130114 A1 20091029

DOCDB simple family (application)

US 73659309 A 20090401; AT 09733978 T 20090401; CN 200980114192 A 20090401; DE 102008001288 A 20080421; EP 09733978 A 20090401; EP 2009053852 W 20090401; JP 2011505451 A 20090401