

Title (en)

DEVICE FOR HOLDING A CONTAINER AND INSTALLATION FOR TREATING CONTAINERS COMPRISING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUR AUFNAHME EINES BEHÄLTERS UND ANLAGE ZUM BEHANDELN VON BEHÄLTERN MIT SOLCH EINER VORRICHTUNG

Title (fr)

DISPOSITIF DE MAINTIEN D'UN RECIPIENT ET INSTALLATION DE TRAITEMENT DE RECIPIENTS COMPRENANT UN TEL DISPOSITIF

Publication

EP 2989031 A1 20160302 (FR)

Application

EP 14713128 A 20140327

Priority

- FR 1353752 A 20130424
- EP 2014056236 W 20140327

Abstract (en)

[origin: US2014319301A1] A device for holding a container comprising a stationary jaw and a movable jaw mounted on the stationary jaw to be movable between a closed position for holding the container and an open position for releasing the container. A resilient element connecting the two jaws together to urge the movable jaw towards the closed position. The resilient element is a leaf spring having an end portion secured to the stationary jaw and an end portion secured to the movable jaw in order to carry the movable jaw. A container treatment installation is also provided including at least one such holder device.

IPC 8 full level

B65G 47/86 (2006.01); **B65G 47/90** (2006.01)

CPC (source: EP US)

B65G 47/847 (2013.01 - EP US); **B65G 47/908** (2013.01 - EP US); **F16M 13/02** (2013.01 - US); **B65G 2201/0247** (2013.01 - EP US)

Citation (search report)

See references of WO 2014173619A1

Citation (examination)

- JP 2005088923 A 20050407 - TOYO FOOD EQUIPMENT CO LTD
- JP 2005212840 A 20050811 - SHIBUYA KOGYO CO LTD
- EP 2239215 A2 20101013 - SHIBUYA KOGYO CO LTD [JP]
- GB 1269377 A 19720406 - STICHHAN ALBERT [DE]
- US 5575379 A 19961119 - SCHMETZER HELMUT [DE]
- JP 2013199315 A 20131003 - SHIBUYA KOGYO CO LTD
- JP 2009286533 A 20091210 - HITACHI INF & CONTROL SYST
- US 2010294622 A1 20101125 - GRAFFIN ANDRE [FR]
- JP 2001287795 A 20011016 - NAGAHASHI MASAOKI

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2014319301 A1 20141030; US 9353905 B2 20160531; BR 112015023949 A2 20170718; EP 2989031 A1 20160302; FR 3004982 A1 20141031; FR 3004982 B1 20150501; JP 2016517833 A 20160620; JP 6367919 B2 20180801; WO 2014173619 A1 20141030

DOCDB simple family (application)

US 201414261183 A 20140424; BR 112015023949 A 20140327; EP 14713128 A 20140327; EP 2014056236 W 20140327; FR 1353752 A 20130424; JP 2016506844 A 20140327