

Title (en)

DEVICE AND METHOD FOR EMPTYING CONTAINERS WITH CONTROL OF A DRIVE TORQUE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ENTLEEREN VON BEHÄLTNISSSEN MIT STEUERUNG EINES ANTRIEBSDREHMOMENTES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE VIDAGE DE RÉCIPIENTS AVEC COMMANDE D'UN COUPLE D'ENTRAÎNEMENT

Publication

EP 3038972 A1 20160706 (DE)

Application

EP 14755699 A 20140827

Priority

- DE 102013109265 A 20130827
- EP 2014068198 W 20140827

Abstract (en)

[origin: WO2015028525A1] Device (1) for emptying containers (10) with a first holding device (2) which is suitable for holding a first region (10a) of a container (10) to be emptied, with a second holding device (4) which is suitable for holding a second region (10b) of the container (10) to be emptied, wherein the second region (10b) is spaced apart from the first region (10a), with a movement device (20) which is suitable for moving the first holding device (2) towards the second holding device (4), in order to compress the container (10) which is situated between the first holding device (2) and the second holding device (4), and with a removal device (40) which has a flow connection to the interior of the container (10) and via which liquid which is situated in the container (10) can be removed as a consequence of a compression of the container (10), with a drive device (8) for driving the movement device and with a control device (6) which controls the relative movement of one holding device (4) with respect to the other holding device (2) depending on an internal pressure within the container. According to the invention, the control device (6) is designed in such a way that it controls the relative movement of one holding device (4) with respect to the other holding device depending on a drive torque of the drive device (8).

IPC 8 full level

B67D 1/00 (2006.01); **B67D 1/08** (2006.01); **B67D 1/12** (2006.01)

CPC (source: CN EP US)

B67C 9/00 (2013.01 - CN); **B67D 1/0001** (2013.01 - EP US); **B67D 1/0004** (2013.01 - EP US); **B67D 1/0884** (2013.01 - EP US); **B67D 1/0891** (2013.01 - EP US); **B67D 1/125** (2013.01 - EP US); **B67D 1/1243** (2013.01 - EP US)

Citation (search report)

See references of WO 2015028525A1

Citation (examination)

- DE 202013005658 U1 20140623 - KRONES AG [DE]
- EP 2816003 A1 20141224 - KRONES AG [DE]
- EP 1279379 A1 20030129 - MUEHLBAUER ERNST GMBH & CO KG [DE]

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)

WO 2015028525 A1 20150305; AU 2014314189 A1 20160310; AU 2014314189 B2 20171130; CA 2921930 A1 20150305; CN 104418278 A 20150318; CN 104418278 B 20170510; CN 203877890 U 20141015; DE 102013109265 A1 20150305; EP 3038972 A1 20160706; RU 2016104425 A 20170929; RU 2016104425 A3 20180510; US 10011471 B2 20180703; US 2016214849 A1 20160728; ZA 201601172 B 20171129

DOCDB simple family (application)

EP 2014068198 W 20140827; AU 2014314189 A 20140827; CA 2921930 A 20140827; CN 201310641503 A 20131203; CN 201320787593 U 20131203; DE 102013109265 A 20130827; EP 14755699 A 20140827; RU 2016104425 A 20140827; US 201414914020 A 20140827; ZA 201601172 A 20160222