

Title (en)  
DEVICE FOR EMPTYING CONTAINERS

Title (de)  
VORRICHTUNG ZUM ENTLEREEN VON BEHÄLTNISSEN

Title (fr)  
DISPOSITIF PERMETTANT DE VIDER DES RÉCIPIENTS

Publication  
**EP 2917147 A1 20150916 (DE)**

Application  
**EP 13786498 A 20131106**

Priority  
• DE 102012110600 A 20121106  
• EP 2013073194 W 20131106

Abstract (en)  
[origin: WO2014072359A1] The invention relates to a device for removing liquids from deformable containers, and in particular plastics containers (10), having a first holding device (2), which is suitable for holding a first section (10a) of the container (10), having a second holding device (4), which is suitable for holding a second section (10b) of the container (10), wherein the second section (10b) of the container (10) is arranged at a distance from the first section of the container (10), and wherein the holding devices (2, 4) are arranged such that the container (10) is at least sectionally arrangeable between these holding devices (2, 4) and thus is deformable by a relative movement of one holding device (2) with respect to the other holding device (4), and having a drive device for producing a relative movement between the first holding device (2) and the second holding device (4), in order in this way to deform the container (10) arranged between these holding devices (2, 4) in such a way that the internal volume thereof is reduced, and having a removal device (30), which has a flow connection to the interior of the container (10) and via which the liquid is removable as a result of the compression of the container (10). According to the invention, the surfaces (2a, 4a), directed towards one another, of the first holding device (2) and the second holding device (4) are at least sectionally coordinated with one another such that a volume between these holding devices (2, 4) is minimizable when the holding devices (2, 4) are advanced towards one another.

IPC 8 full level  
**B67D 1/00** (2006.01)

CPC (source: EP RU US)  
**B65B 69/005** (2013.01 - US); **B67D 1/00** (2013.01 - RU); **B67D 1/0001** (2013.01 - EP US)

Citation (examination)  
WO 2015031902 A1 20150305 - CONTAINER INNOVATIONS LLC [US]

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)  
**DE 102012110600 A1 20140508**; BR 112015010148 A2 20170711; CN 103987651 A 20140813; CN 103987651 B 20170728;  
EP 2917147 A1 20150916; RU 2015116338 A 20161227; RU 2652947 C2 20180503; US 2015284125 A1 20151008; US 9738408 B2 20170822;  
WO 2014072359 A1 20140515

DOCDB simple family (application)  
**DE 102012110600 A 20121106**; BR 112015010148 A 20131106; CN 201380001604 A 20131106; EP 13786498 A 20131106;  
EP 2013073194 W 20131106; RU 2015116338 A 20131106; US 201314440368 A 20131106