

Title (en)

Device for dispensing liquid from a tank and method for removing the remainder from a conduit section

Title (de)

Vorrichtung zur Abgabe von Flüssigkeit aus einem Tank und Verfahren zur Restentleerung eines Leitungsabschnittes

Title (fr)

Dispositif de dépôt de liquide à partir d'un réservoir et procédé de vidage des résidus d'une section de conduite

Publication

EP 2163510 A3 20110831 (DE)

Application

EP 09011172 A 20090831

Priority

DE 102008047122 A 20080915

Abstract (en)

[origin: EP2163510A2] The device has a pipe block valve (20) for blocking a pipe section (10), which is provided between a tank-sided end region (11) and a dispensing-sided end region (12). A residue removal pipe (50) is branched off from the pipe section to a junction (51) and leads to an intersection (52) in the pipe section. The junction is arranged between the tank-sided end region and the pipe block valve at the pipe section. The intersection is arranged between the pipe lock valve and the dispensing-sided end region at the pipe section. A gas supply device (40) supplies compressed gas into the pipe section. An independent claim is also included for a method for removing a residue from a pipe section.

IPC 8 full level

B67D 7/04 (2010.01); **B67D 7/06** (2010.01)

CPC (source: EP US)

B67D 7/04 (2013.01 - EP US); **B67D 7/06** (2013.01 - EP US); **Y10T 137/3127** (2015.04 - EP US)

Citation (search report)

- [AD] DE 1235760 B 19670302 - ULRICH ESTERER DR ING
- [AD] DE 20021937 U1 20020425 - ALFONS HAAR MASCHB GMBH & CO [DE]
- [AD] WO 2007087849 A1 20070809 - BARTEC GMBH [DE], et al
- [AD] DE 19821559 A1 19991118 - GOSSLER FLUIDTEC GMBH [DE]
- [AD] WO 2008106989 A1 20080912 - BARTEC GMBH [DE], et al
- [AD] DE 29801625 U1 19980604 - MAIDMENT TANKER SERVICES LTD [GB]

Cited by

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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 SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2163510 A2 20100317; EP 2163510 A3 20110831; EP 2163510 B1 20121205; CA 2676612 A1 20100315; CA 2676612 C 20130702; DE 102008047122 A1 20100422; ES 2401257 T3 20130418; US 2010078835 A1 20100401; US 8196904 B2 20120612

DOCDB simple family (application)

EP 09011172 A 20090831; CA 2676612 A 20090826; DE 102008047122 A 20080915; ES 09011172 T 20090831; US 58545009 A 20090915