

Title (en)  
Dip pipe assembly and method of operation

Title (de)  
Pegelrohranordnung und Betriebsverfahren

Title (fr)  
Ensemble de tuyau par immersion et procédé de fonctionnement

Publication  
**EP 2604909 A1 20130619 (EN)**

Application  
**EP 12196553 A 20121211**

Priority  
GB 201121261 A 20111212

Abstract (en)  
A dip pipe assembly (10) for a tank (1) containing a fluid (6) comprises a conduit (12) having an inlet (14) and an outlet (16). The assembly comprises a body (17) defining a chamber (18) for fluid communication with the conduit inlet (14), the chamber (18) being configured to extend vertically above the conduit inlet (14) when in use. The body (17) has a one-way valve (20) for admission of fluid from the tank (1) into the chamber (18) and a port (22) for the inlet of pressurised gas into the chamber (18).

IPC 8 full level  
**F17C 7/00** (2006.01); **F17C 9/00** (2006.01)

CPC (source: EP GB)  
**B65D 88/548** (2013.01 - EP); **B67D 7/007** (2013.01 - GB); **B67D 7/72** (2013.01 - GB); **B65D 2588/545** (2013.01 - EP)

Citation (search report)

- [A] DE 2757019 A1 19780706 - AIR LIQUIDE
- [A] DE 2054054 A1 19720504 - MAX PLANCK GESELLSCHAFT
- [A] GB 919774 A 19630227 - WHESOE LTD
- [A] US 2784560 A 19570312 - JOHNSON JR EVAN A
- [A] US 2035396 A 19360324 - MESINGER WILLIAM F

Cited by  
CN104016023A; CN111874858A; EP3889443A1; US10751941B2; WO2017194135A1

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)  
**EP 2604909 A1 20130619**; GB 201121261 D0 20120118; GB 201222257 D0 20130123; GB 2497657 A 20130619; GB 2497657 B 20140416

DOCDB simple family (application)  
**EP 12196553 A 20121211**; GB 201121261 A 20111212; GB 201222257 A 20121211