

Title (en)
SLIDING - LOCKING BELOW LIQUID MANWAY DOOR

Title (de)
GLEITENDE VERRIEGELUNG UNTER EINER MANNLOCHTÜR

Title (fr)
PORTE COULISSANTE VERROUILLABLE POUR PASSAGE D'ACCÈS SITUÉ SOUS LE NIVEAU D'UN LIQUIDE

Publication
EP 2984006 A4 20170524 (EN)

Application
EP 14743796 A 20140121

Priority
• US 201361755416 P 20130122
• US 2014012361 W 20140121

Abstract (en)
[origin: WO2014116595A1] A manway gate assembly couples to a tank and provides a liquid tight seal. The manway gate assembly includes a gate selectively slideable in a first linear direction between an open position, a closed position, and/or an intermediate position between the open position and the closed position. The manway gate assembly includes one or more locking members arranged adjacent to the gate and moveable between a locked position and an un-locked position. When in the locked position, the one or more locking members apply a biasing force to the gate in a second linear direction perpendicular to the first linear direction to seal the gate to the tank and provide a liquid tight seal.

IPC 8 full level
B65D 90/58 (2006.01)

CPC (source: EP)
B65D 90/587 (2013.01)

Citation (search report)
• [X] US 2652946 A 19530922 - BEATTY GUY M
• [X] FR 2348268 A1 19771110 - BUCHER GUYER AG MASCH [CH]
• [XA] US 3386206 A 19680604 - WALTER LOVELESS MARION
• [X] GB 2128246 A 19840426 - AMERICAN STERILIZER CO
• [A] US 2001042760 A1 20011122 - KROL RONALD M [US]
• See references of WO 2014116595A1

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

DOCDB simple family (publication)
WO 2014116595 A1 20140731; AU 2014209587 A1 20150611; AU 2014209587 B2 20170511; CL 2015001808 A1 20151023;
EP 2984006 A1 20160217; EP 2984006 A4 20170524; EP 2984006 B1 20190717; EP 3572354 A2 20191127; EP 3572354 A3 20191225;
ES 2749194 T3 20200319

DOCDB simple family (application)
US 2014012361 W 20140121; AU 2014209587 A 20140121; CL 2015001808 A 20150623; EP 14743796 A 20140121; EP 19179773 A 20140121;
ES 14743796 T 20140121