

Title (en)
DOME COVER

Title (de)
DOMDECKEL

Title (fr)
COUVERCLE DE DÔME

Publication
EP 3735385 A1 20201111 (DE)

Application
EP 19749360 A 20190808

Priority
• EP 19155517 A 20190205
• EP 2019071303 W 20190808

Abstract (en)
[origin: WO2020160792A1] The present invention relates to a dome cover assembly for automatically opening and closing a through-opening. The problem addressed by the present invention is that of providing a dome cover assembly, the dome cover ensuring that opening of the dome cover is prevented when there is pressure in the tank, and the dome cover assembly in particular not requiring any extension into the tank. Said problem is solved by means of a dome cover assembly, which comprises, on at least one first element from among the cover and the flange, at least one reach-around element, the at least one reach-around element of the cover and/or the at least one reach-around element of the flange being designed in each case to at least partially enclose, in the first rotational position, the other element from among the cover and the flange, on which said at least one reach-around element is not arranged, on the side facing away from the first element. The other element from among the cover and the flange has a recess toward the first element on the side facing away from the first element, the at least one reach-around element and the recess being designed and arranged in such a way that, in the first rotational position, the reach-around element engages behind the recess in a first distanced position of the cover and the flange and in such a way that, in the first rotational position, the reach-around element does not engage behind the recess in a second closer position of the cover and the flange.

IPC 8 full level
B65D 90/10 (2006.01); **B65D 90/58** (2006.01)

CPC (source: EP KR US)
B65D 90/10 (2013.01 - EP KR US); **B65D 90/585** (2013.01 - EP KR US); **B65D 2590/542** (2013.01 - KR); **B65D 2590/66** (2013.01 - KR); **B65D 2590/666** (2013.01 - US)

Citation (search report)
See references of WO 2020160792A1

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 2020160792 A1 20200813; AU 2019428001 A1 20210826; AU 2019428001 B2 20240125; DE 112019000064 A5 20201015; DE 112019000064 B4 20220421; EP 3735385 A1 20201111; EP 3735385 B1 20231206; ES 2973116 T3 20240618; KR 102668600 B1 20240522; KR 20210122804 A 20211012; NZ 778846 A 20240126; PL 3735385 T3 20240506; SG 11202108360W A 20210830; US 11912495 B2 20240227; US 2022194695 A1 20220623; ZA 202105178 B 20220831

DOCDB simple family (application)
EP 2019071303 W 20190808; AU 2019428001 A 20190808; DE 112019000064 T 20190808; EP 19749360 A 20190808; ES 19749360 T 20190808; KR 20217026934 A 20190808; NZ 77884619 A 20190808; PL 19749360 T 20190808; SG 11202108360W A 20190808; US 201917444488 A 20190808; ZA 202105178 A 20210722