

Title (en)
TANK VALVE

Title (de)
TANKVENTIL

Title (fr)
SOUPAPE DE RÉSERVOIR

Publication
EP 3478995 A1 20190508 (DE)

Application
EP 17728448 A 20170607

Priority
• DE 102016008058 A 20160701
• EP 2017000657 W 20170607

Abstract (en)
[origin: WO2018001542A1] The invention relates to a tank valve (4) for mounting on a pressurized-gas container (3), having a main body (5), having multiple functional subassemblies for the refilling of the pressurized-gas accumulator (3), for the removal of gas from the pressurized-gas accumulator (3) and for the implementation of safety and operating functions, wherein one of the functional subassemblies is formed as an extraction valve (6), and wherein at least one of the other functional subassemblies is formed as a check valve (14, 17). The tank valve according to the invention is characterized in that both the extraction valve (6) and the at least one check valve (14, 17) have in each case one valve seat carrier (22) with a valve seat (21) and one valve body (19), wherein that part of the valve seat carrier (22) which interacts with the valve body (19) has a sealing lip (23), which projects in an axial direction, as part of the valve seat (21).

IPC 8 full level
F16K 1/30 (2006.01); **F17C 13/04** (2006.01)

CPC (source: EP US)
F16K 1/305 (2013.01 - EP US); **F16K 15/02** (2013.01 - US); **F16K 25/005** (2013.01 - US); **F17C 13/04** (2013.01 - EP US); **F17C 2205/0335** (2013.01 - EP US); **F17C 2205/0385** (2013.01 - EP US); **F17C 2221/012** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2223/036** (2013.01 - EP US); **F17C 2270/0168** (2013.01 - EP US); **Y02E 60/32** (2013.01 - EP US)

Citation (search report)
See references of WO 2018001542A1

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 102016008058 A1 20180104; CN 109416128 A 20190301; EP 3478995 A1 20190508; JP 2019521297 A 20190725; US 2019249779 A1 20190815; WO 2018001542 A1 20180104

DOCDB simple family (application)
DE 102016008058 A 20160701; CN 201780040675 A 20170607; EP 17728448 A 20170607; EP 2017000657 W 20170607; JP 2018567749 A 20170607; US 201716314054 A 20170607