

Title (en)
COMPOSITE PRESSURE GAS TANK

Title (de)
COMPOSITE-DRUCKGASBEHÄLTER

Title (fr)
RÉSERVOIR À GAZ COMPRIMÉ EN MATÉRIAU COMPOSITE

Publication
EP 2276964 A1 20110126 (DE)

Application
EP 09749522 A 20090402

Priority
• EP 2009002407 W 20090402
• DE 102008024292 A 20080520

Abstract (en)
[origin: WO2009141032A1] The invention relates to a composite pressure gas tank for a gas, having an outer shell and a liner encompassed thereby made of a light alloy metal, particularly of aluminum or an aluminum alloy, a closing element having at least one channel for infeeding and/or discharging gas in the outlet and inlet opening thereof being inserted and connected directly or indirectly to the liner by a weld joint, and a connecting line made of steel being connected to the channel or channels thereof, and wherein a transition element has a first end segment made of light alloy metal, particularly of aluminum or an aluminum alloy, and welded either to the liner or to the closing element made of light alloy metal, particularly of aluminum or an aluminum alloy, and the other end segment thereof being made of a steel material welded either to the closing element made of a steel material or to the connecting line made of a steel material.

IPC 8 full level
F17C 1/14 (2006.01); **F17C 13/06** (2006.01)

CPC (source: EP US)
F17C 1/14 (2013.01 - EP US); **F17C 2205/0305** (2013.01 - EP US)

Citation (search report)
See references of WO 2009141032A1

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008024292 A1 20091126; EP 2276964 A1 20110126; EP 2276964 B1 20160323; US 2011036848 A1 20110217; US 8397939 B2 20130319; WO 2009141032 A1 20091126

DOCDB simple family (application)
DE 102008024292 A 20080520; EP 09749522 A 20090402; EP 2009002407 W 20090402; US 91245910 A 20101026