

Title (en)

Filling device for filling a coolant container compartment attached to a coolant container with a cryogenic coolant

Title (de)

Befüllvorrichtung zum Befüllen eines einem Kühlbehälter zugeordneten Kältemittel-Aufnahmefachs mit einem kryogenen Kältemittel

Title (fr)

Dispositif de remplissage destiné à remplir un compartiment d'un moyen de refroidissement installé dans un récipient frigorifique doté d'un moyen de refroidissement cryogène

Publication

**EP 2336684 B1 20130403 (DE)**

Application

**EP 09180206 A 20091221**

Priority

EP 09180206 A 20091221

Abstract (en)

[origin: EP2336684A1] The device (10) has a restraint device (22) for restraining non-evaporating cryogenic cooling agent at a coolant container compartment (4) during filling of cryogenic coolant. A decompression nozzle (19) of a supply pipe (18), a drain outlet (13) of a discharge device and the restraint device are integrated into a filling head (11). The filling head is equipped with a sealing element (15) i.e. sealing lip, for gas-tight coupling of the coolant container compartment at a region of a filling opening (6) of the coolant container compartment. The sealing lip is made of a flexible material.

IPC 8 full level

**F25D 3/12** (2006.01)

CPC (source: EP)

**F25D 3/125** (2013.01)

Cited by

DE102015009645A1; DE102015009645B4; WO2017017030A1; NL2012113C2; DE102015009647B3; CN105939931A; CN107923686A; CN107923687A; CN111448435A; KR20200089708A; JP2021505841A; JP2022125035A; US11352262B2; WO2017016999A1; WO2015108422A1

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 SM TR

DOCDB simple family (publication)

**EP 2336684 A1 20110622; EP 2336684 B1 20130403**; DK 2336684 T3 20130610; ES 2411914 T3 20130709; PL 2336684 T3 20130830; PT 2336684 E 20130617; SI 2336684 T1 20130731; WO 2011076701 A1 20110630

DOCDB simple family (application)

**EP 09180206 A 20091221**; DK 09180206 T 20091221; EP 2010070173 W 20101218; ES 09180206 T 20091221; PL 09180206 T 20091221; PT 09180206 T 20091221; SI 200930612 T 20091221