

Title (en)
SYSTEM FOR TREATING A GAS PRODUCED BY THE EVAPORATION OF A CRYOGENIC LIQUID AND FOR SUPPLYING A GAS ENGINE WITH PRESSURISED GAS

Title (de)
SYSTEM ZUR BEHANDLUNG EINES DURCH DIE VERDAMPFUNG EINER KRYOGENEN FLÜSSIGKEIT ERZEUGTEN GASES UND ZUR VERSORGUNG EINES GASMOTORS MIT DRUCKGAS

Title (fr)
SYSTÈME DE TRAITEMENT D'UN GAZ ISSU DE L'ÉVAPORATION D'UN LIQUIDE CRYOGÉNIQUE ET D'ALIMENTATION EN GAZ SOUS PRESSION D'UN MOTEUR À GAZ

Publication
EP 3433557 A1 20190130 (FR)

Application
EP 17716577 A 20170322

Priority
• FR 1652504 A 20160323
• FR 2017050669 W 20170322

Abstract (en)
[origin: WO2017162984A1] The system for treating a gas produced by the evaporation of a cryogenic liquid and for supplying pressurised gas to a gas engine according to the invention comprises, in the downstream direction, a re-liquefying unit (10) with compression means (11, 12, 13), a first heat exchanger (17) and expansion means (30), as well as a line for supplying pressurised gas including, in the downstream direction, a pump (48) for pressurising liquid and means for vaporisation (61) under high pressure. The line for supplying pressurised gas has, upstream from the vaporisation means (61), a bypass (57) for supplying a second heat exchanger (60) between a pressurised liquid of the supply line (56) and a line (22) of the re-liquefying unit (10) downstream from the first exchanger and upstream from the expansion means (30).

IPC 8 full level
F25J 1/00 (2006.01); **F25J 1/02** (2006.01)

CPC (source: EP KR RU US)
F25J 1/0025 (2013.01 - EP KR RU US); **F25J 1/0037** (2013.01 - EP KR RU US); **F25J 1/004** (2013.01 - EP RU US); **F25J 1/0045** (2013.01 - EP KR RU US); **F25J 1/0202** (2013.01 - EP KR RU US); **F25J 1/0224** (2013.01 - KR RU US); **F25J 1/023** (2013.01 - EP KR RU US); **F25J 1/0244** (2013.01 - EP KR RU US); **F25J 1/0277** (2013.01 - EP KR RU US); **F25J 1/0288** (2013.01 - EP KR RU US); **F25J 1/0292** (2013.01 - EP); **F25J 1/0294** (2013.01 - EP KR RU US); **F25J 1/0296** (2013.01 - EP KR RU US); **F25J 2210/62** (2013.01 - KR US); **F25J 2220/62** (2013.01 - EP KR US); **F25J 2230/08** (2013.01 - KR US); **F25J 2230/30** (2013.01 - KR US); **F25J 2235/02** (2013.01 - KR US); **F25J 2235/60** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2017162984A1

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 2017162984 A1 20170928; CN 109154471 A 20190104; CN 109154471 B 20210511; CY 1123721 T1 20220324; DK 3433557 T3 20201116; EP 3433557 A1 20190130; EP 3433557 B1 20200902; ES 2829266 T3 20210531; FR 3049341 A1 20170929; FR 3049341 B1 20190614; JP 2019510943 A 20190418; JP 6882322 B2 20210602; KR 102340478 B1 20211221; KR 20180122723 A 20181113; RU 2018134056 A 20200423; RU 2018134056 A3 20200529; RU 2733125 C2 20200929; US 10914516 B2 20210209; US 2019101329 A1 20190404

DOCDB simple family (application)
FR 2017050669 W 20170322; CN 201780032049 A 20170322; CY 201101055 T 20201110; DK 17716577 T 20170322; EP 17716577 A 20170322; ES 17716577 T 20170322; FR 1652504 A 20160323; JP 2018549821 A 20170322; KR 20187030585 A 20170322; RU 2018134056 A 20170322; US 201716087135 A 20170322