

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

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Application
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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).

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