Title (en)

SYSTEM AND METHOD FOR VAPORIZING A CRYOGENIC GAS-LIQUID MIXTURE

Title (de)

SYSTEM UND VERFAHREN ZUM VERDAMPFEN EINES KRYOGENEN GAS-FLÜSSIGKEIT-GEMISCHS

Title (fr)

SYSTÈME ET PROCÉDÉ DE VAPORISATION D'UN MÉLANGE DE GAZ-LIQUIDE CRYOGÉNIQUE

Publication

EP 4015892 A1 20220622 (EN)

Application

EP 20315497 A 20201217

Priority

EP 20315497 A 20201217

Abstract (en)

System for vaporizing a cryogenic gas-liquid mixture comprising a cryogenic gas-liquid mixture supply line, a vaporizer, spraying means for spraying a cryogenic liquid into the vaporized cryogenic gas-liquid mixture at the outlet of the vaporizer, a mist separator for separating droplets of cryogenic liquid from the vaporized cryogenic gas-liquid mixture and a compressor. The temperature at the inlet of the compressor is controlled with a control valve located on a cryogenic liquid supply line.

IPC 8 full level

F17C 13/00 (2006.01)

CPC (source: EP KR)

F17C 7/04 (2013.01 - KR); **F17C 9/02** (2013.01 - KR); **F17C 13/00** (2013.01 - EP KR); F17C 2201/052 (2013.01 - EP KR); F17C 2203/0337 (2013.01 - EP KR); F17C 2203/0604 (2013.01 - EP KR); F17C 2203/0636 (2013.01 - EP KR); F17C 2221/033 (2013.01 - EP KR); F17C 2223/0161 (2013.01 - EP KR); F17C 2223/033 (2013.01 - EP KR); F17C 2260/037 (2013.01 - EP KR); F17C 2270/0105 (2013.01 - EP KR)

Citation (search report)

- [A] FR 3017924 A1 20150828 - GAZTRANSP ET TECHNIGAZ [FR]
- [A] FR 3032776 A1 20160819 - GAZTRANSPORT ET TECHNIGAZ [FR]
- [A] KR 20160014403 A 20160211 - DAEWOO SHIPBUILDING & MARINE [KR]
- [A] DE 102006061251 A1 20080703 - MAN DIESEL SE [DE]
- [A] EP 3239037 A1 20171101 - KAWASAKI HEAVY IND LTD [JP]

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)

EP 4015892 A1 20220622; **EP 4015892 B1 20240724**; CN 116710696 A 20230905; KR 20230117435 A 20230808; WO 2022128149 A1 20220623

DOCDB simple family (application)

EP 20315497 A 20201217; CN 202180084538 A 20211210; EP 2021025487 W 20211210; KR 20237023312 A 20211210