

Title (en)

SYSTEM FOR THE TRANSFER AND GRAVITATIONAL DRAINAGE OF A GAS IN LIQUID FORM

Title (de)

SYSTEM ZUR ÜBERTRAGUNG UND SCHWERKRAFTDRAINAGE EINES GASES IN FLÜSSIGER FORM

Title (fr)

SYSTÈME DE TRANSFERT ET DE DRAINAGE GRAVITATIONNEL D'UN GAZ SOUS FORME LIQUIDE

Publication

EP 4143128 A1 20230308 (FR)

Application

EP 21732394 A 20210422

Priority

- FR 2004291 A 20200430
- FR 2021050700 W 20210422

Abstract (en)

[origin: WO2021219950A1] The invention relates to a system (1) for transferring gas in liquid form (31) between two units for gas in liquid form, comprising a main pipe (6) configured to transfer the gas in liquid form (31) from a source tank (4) of a source unit (2) for gas in liquid form to a receiving tank (5) of a receiving unit (3) for gas in liquid form, the main pipe (6) comprising a first portion (7) and a second flexible portion (8), characterised in that the transfer system (1) comprises a return pipe (18) configured to convey the gas in liquid form (31) present in the main pipe (6) to the source tank (4), the transfer system (1) draining the gas in liquid form (31) by force of gravity.

IPC 8 full level

B67D 9/00 (2010.01)

CPC (source: EP KR US)

B67D 7/0401 (2013.01 - KR US); **B67D 7/36** (2013.01 - KR US); **B67D 9/00** (2013.01 - EP); **B67D 9/02** (2013.01 - KR); **B67D 2007/0451** (2013.01 - KR US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3109775 A1 20211105; **FR 3109775 B1 20220408**; CN 115734939 A 20230303; EP 4143128 A1 20230308; EP 4143128 B1 20240327; EP 4143128 C0 20240327; KR 20230003574 A 20230106; US 12017903 B2 20240625; US 2023192470 A1 20230622; WO 2021219950 A1 20211104

DOCDB simple family (application)

FR 2004291 A 20200430; CN 202180044095 A 20210422; EP 21732394 A 20210422; FR 2021050700 W 20210422; KR 20227041839 A 20210422; US 202117997396 A 20210422