

Title (en)

APPARATUS AND PROCESS TO CONDITION NATURAL GAS FOR TRANSPORTATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUFBEREITEN VON ERDGAS FÜR DEN TRANSPORT

Title (fr)

APPAREIL ET PROCÉDÉ DE CONDITIONNEMENT DE GAZ NATUREL À DES FINS DE TRANSPORT

Publication

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Application

EP 14798142 A 20140513

Priority

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Abstract (en)

[origin: WO2014183165A1] A conditioning assembly to condition a flow of natural gas to reduce hydrate formation for transportation. The conditioning assembly includes a housing with an inlet for introducing a flow of natural gas and an outlet for delivering conditioned gas, wherein the housing is capable of containing natural gas at or above atmospheric pressure. The assembly also includes at least one tube and fin style heat exchanger contained within the housing configured to cool the flow of natural gas to a temperature below hydrate formation temperature and a collection arrangement to remove hydrates from the housing that form during cooling of the natural gas. Also disclosed is a method of conditioning natural gas, substantially corresponding to the assembly described above, wherein a constant flow of natural gas is conditioned by alternating the flow of natural gas between at least two heat exchangers configured in a parallel arrangement.

IPC 8 full level

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CPC (source: EP US)

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C10L 2290/06 (2013.01 - EP US); **C10L 2290/54** (2013.01 - EP US)

Citation (search report)

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- [X] US 2006260468 A1 20061123 - AMIN ROBERT [AU]
- [X] US 3488677 A 19700106 - TRACY RICHARD R, et al
- See references of WO 2014183165A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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