

Title (en)
GAS LIQUEFACTION SYSTEM AND METHOD

Title (de)
SYSTEM ZUR GASVERFLÜSSIGUNG UND ZUGEHÖRIGE METHODE

Title (fr)
SYSTÈME ET PROCÉDÉ DE LIQUÉFACTION DE GAZ

Publication
EP 2567159 A2 20130313 (EN)

Application
EP 11720246 A 20110502

Priority
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• US 2011034842 W 20110502

Abstract (en)
[origin: WO2011139989A2] A system and a method for liquefaction of gases which are utilized in their liquid state as refrigerants in applications that require low temperatures, throughout various pressure ranges, from slightly above atmospheric pressures to pressures near the critical point. The system and method are based on closed-cycle cryocoolers and utilize the thermodynamic properties of the gas to achieve optimal liquefaction rates.

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

CPC (source: EP)
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Citation (search report)
See references of WO 2011139989A2

Cited by
CN116520212A; DE102021205423A1; WO2022248255A1; DE102021205423B4

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

DOCDB simple family (publication)
WO 2011139989 A2 20111110; **WO 2011139989 A3 20120105**; CN 102971593 A 20130313; CN 102971593 B 20151216; EP 2567159 A2 20130313; EP 2567159 B1 20161228; ES 2617357 T3 20170616; JP 2013531773 A 20130808; JP 5891221 B2 20160322

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US 2011034842 W 20110502; CN 201180033135 A 20110502; EP 11720246 A 20110502; ES 11720246 T 20110502; JP 2013509151 A 20110502