

Title (en)
SYSTEM AND METHOD FOR PRODUCING LIQUEFIED NATURAL GAS

Title (de)
SYSTEM UND VERFAHREN ZUR HERSTELLUNG VON VERFLÜSSIGTEM ERDGAS

Title (fr)
SYSTÈME ET PROCÉDÉ DE PRODUCTION DE GAZ NATUREL LIQUÉFIÉ

Publication
EP 3479037 A1 20190508 (EN)

Application
EP 17740171 A 20170628

Priority
• CN 201610502505 A 20160630
• US 2017039711 W 20170628

Abstract (en)
[origin: WO2018005626A1] A system, and a method for producing liquefied natural gas are provided. The system includes a heat exchanger, a first supersonic chiller, and a compression unit. The heat exchanger is for cooling a feed natural gas stream to obtain a cooled natural gas stream. The first supersonic chiller is for chilling the cooled natural gas stream to produce liquefied natural gas and output at least a portion of chilled gaseous natural gas to the heat exchanger to be heated to obtain a heated natural gas stream. The compression unit is for compressing the heated natural gas stream from the heat exchanger and providing a compressed natural gas stream to the heat exchanger to be cooled together with the feed natural gas stream by heat exchanging with the at least a portion of the chilled gaseous natural gas.

IPC 8 full level
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CPC (source: EP US)
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F25J 1/0202 (2013.01 - EP US); **F25J 2220/64** (2013.01 - EP); **F25J 2230/30** (2013.01 - EP); **F25J 2240/40** (2013.01 - EP);
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Citation (search report)
See references of WO 2018005626A1

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