

Title (en)

Method of operating a compressor and system and method for producing a liquefied hydrocarbon stream

Title (de)

Verfahren zum Betreiben eines Kompressors und System und Verfahren zum Herstellen eines flüssigen Kohlenwasserstoffstroms

Title (fr)

Procédé de fonctionnement d'un compresseur et système et procédé pour la production de flux d'hydrocarbures liquéfié

Publication

EP 2604960 A1 20130619 (EN)

Application

EP 11193688 A 20111215

Priority

EP 11193688 A 20111215

Abstract (en)

At least part of a fluid (210,110) is compressed in a compressor (120,220) driven by an electric motor (130,230). The compressor has variable inlet guide vanes of which an angle can be adjusted. The electric motor is powered using a power supply network (400), and a signal representative of a condition of the power supply network is monitored. From the signal, it is automatically determined whether additional load shedding is needed, by comparing the signal to a predetermined criterion. The variable inlet guide vanes angle is automatically adjusted when the criterion is satisfied and additional load shedding is needed. This automatically reduces the loading of the compressor. The compressor and the method of operating it may be employed as part of a system for producing a liquefied hydrocarbon stream (90) and/or in the course of producing a liquefied hydrocarbon stream (90), in which case the compressor can be a refrigerant compressor and the fluid a refrigerant fluid.

IPC 8 full level

F01D 15/10 (2006.01); **F04D 27/00** (2006.01); **F25J 1/00** (2006.01); **F25J 1/02** (2006.01)

CPC (source: EP RU US)

F04D 27/002 (2013.01 - US); **F04D 27/0246** (2013.01 - EP US); **F25J 1/0022** (2013.01 - EP US); **F25J 1/0284** (2013.01 - EP US); **F25J 1/0298** (2013.01 - EP US); **F25J 1/00** (2013.01 - RU); **F25J 2280/20** (2013.01 - EP US)

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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 2604960 A1 20130619; AP 2014007627 A0 20140531; AU 2012324009 A1 20130704; AU 2012324009 B2 20150806; CA 2859147 A1 20130620; CA 2859147 C 20200428; CN 104350345 A 20150211; KR 20140112496 A 20140923; RU 2014128901 A 20160210; RU 2621591 C2 20170606; US 2014311183 A1 20141023; WO 2013087740 A2 20130620; WO 2013087740 A3 20150911

DOCDB simple family (application)

EP 11193688 A 20111215; AP 2014007627 A 20121213; AU 2012324009 A 20121213; CA 2859147 A 20121213;
CN 201280061508 A 20121213; EP 2012075314 W 20121213; KR 20147018666 A 20121213; RU 2014128901 A 20121213;
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