Title (en)

REFRIGERANT COMPRESSOR SYSTEM

Title (de)

KÄLTEMITTELVERDICHTERANLAGE

Title (fr)

INSTALLATION DE COMPRESSION D'UN RÉFRIGÉRANT

Publication

**EP 2961985 A1 20160106 (DE)**

Application

**EP 14703805 A 20140205**

Priority

- DE 102013203268 A 20130227
- EP 2014052212 W 20140205

Abstract (en)

[origin: WO2014131587A1] The invention relates to a refrigerant compressor system, comprising at least one low-pressure stage and at least one high-pressure stage, a suction duct leading from a suction connection for the refrigerant to the low-pressure stage, an intermediate-pressure duct leading from the low-pressure stage to the high-pressure stage, a high-pressure connection connected to the high-pressure stage, and a lubricant bath to which the intermediate pressure is applied in the intermediate-pressure duct. In order to improve such a refrigerant compressor system in such a way that an adequate lubricant supply for the low-pressure stage is always ensured, it is proposed that a lubricant-feeding device draws lubricant from the lubricant reservoir and feeds said lubricant to the suctioned refrigerant flowing to the low-pressure stage in a suctioning path.

IPC 8 full level

**F04B 39/02** (2006.01); **F04B 41/06** (2006.01); **F25B 1/10** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP RU US)

**F04B 37/10** (2013.01 - US); **F04B 39/02** (2013.01 - EP RU US); **F04B 39/0276** (2013.01 - EP US); **F04B 39/121** (2013.01 - US); **F04B 41/02** (2013.01 - US); **F04B 41/06** (2013.01 - EP US); **F04C 2/08** (2013.01 - US); F04B 41/06 (2013.01 - RU)

Citation (search report)

See references of WO 2014131587A1

Citation (examination)

- KR 20120031138 A 20120330 - KOBE STEEL LTD [JP]
- EP 1170558 A2 20020109 - SANYO ELECTRIC CO [JP]

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)

**DE 102013203268 A1 20140828**; BR 112015020228 A2 20170718; CN 105074210 A 20151118; EP 2961985 A1 20160106; EP 2961985 B1 20210505; RU 2015140918 A 20170331; RU 2637608 C2 20171205; US 2015361972 A1 20151217; WO 2014131587 A1 20140904

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**DE 102013203268 A 20130227**; BR 112015020228 A 20140205; CN 201480010906 A 20140205; EP 14703805 A 20140205; EP 2014052212 W 20140205; RU 2015140918 A 20140205; US 201514836617 A 20150826