

Title (en)  
DISPLACEMENT COMPRESSOR SYSTEM FOR R-718

Title (de)  
VERDRÄNGERVERDICHTERSYSTEM FÜR R-718

Title (fr)  
COMPRESSEUR VOLUMÉTRIQUE POUR R-718

Publication  
**EP 3645891 A1 20200506 (DE)**

Application  
**EP 18737191 A 20180627**

Priority  
• DE 102017006206 A 20170630  
• EP 2018067239 W 20180627

Abstract (en)  
[origin: WO2019002363A1] The invention relates to a displacement compressor system for the refrigerant R718, comprising a compressor machine (41), an evaporator (35), and a condenser (36). The open compressor machine (41) is designed as a spindle compressor in the form of a double-shaft rotation displacement compressor for displacing and compressing gaseous conveying media. The displacement compressor has a spindle rotor pair (2 and 3) which is arranged in a compressor housing (1) and is designed with an electronic motor pair spindle rotor synchronization function. The compressor machine (41) is arranged between the evaporator (35) and the condenser (36).

IPC 8 full level  
**F04C 18/56** (2006.01)

CPC (source: EP US)  
**F04C 18/084** (2013.01 - EP US); **F04C 18/16** (2013.01 - US); **F04C 18/54** (2013.01 - US); **F04C 18/565** (2013.01 - EP); **F04C 29/04** (2013.01 - EP); **F25B 1/047** (2013.01 - EP); **F25B 31/026** (2013.01 - EP); **F04C 2210/1094** (2013.01 - EP); **F04C 2240/30** (2013.01 - US); **F04C 2240/402** (2013.01 - EP US); **F04C 2240/603** (2013.01 - EP US); **F25B 2400/071** (2013.01 - EP US)

Citation (search report)  
See references of WO 2019002363A1

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)  
**WO 2019002363 A1 20190103**; CN 110869615 A 20200306; DE 102017006206 A1 20190103; EP 3645891 A1 20200506; JP 2020525697 A 20200827; US 2020309129 A1 20201001

DOCDB simple family (application)  
**EP 2018067239 W 20180627**; CN 201880044077 A 20180627; DE 102017006206 A 20170630; EP 18737191 A 20180627; JP 2019570036 A 20180627; US 201816617908 A 20180627