

Title (en)
REFRIGERANT COMPRESSOR SYSTEM

Title (de)
KÄLTEMITTELVERDICHTERANLAGE

Title (fr)
SYSTÈME DE COMPRESSEURS DE RÉFRIGÉRANT

Publication
EP 3394449 A2 20181031 (DE)

Application
EP 16823266 A 20161220

Priority
• DE 102015122443 A 20151221
• EP 2016081957 W 20161220

Abstract (en)
[origin: WO2017108812A2] Disclosed is a refrigerant compressor system comprising at least three compressors which are arranged in parallel between a suction line and a pressure line and each of which includes a lubricant sump unit; during operation, the compressors operate in such a way that the pressures in the lubricant sump units of the compressors form a pressure cascade in which the compressors have a gradually slightly decreasing pressure in the associated lubricant sump units in a defined cascade sequence; the lubricant sump units are connected to each other according to the cascade sequence by means of a lubricant line system in order for lubricant to be delivered, and each lubricant sump unit includes a connection to which an insertion element is connected, the insertion element establishing a connection to the lubricant line system and being designed in such a way as to set, for the associated lubricant sump unit, a lubricant level from which lubricant is delivered to the subsequent lubricant sump unit in the cascade sequence.

IPC 8 full level
F04C 23/00 (2006.01); **F04C 29/02** (2006.01)

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Citation (search report)
See references of WO 2017108812A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
DE 102015122443 A1 20170622; **DE 102015122443 B4 20221222**; CN 108291545 A 20180717; CN 108291545 B 20200609; EP 3394449 A2 20181031; EP 3394449 B1 20210203; US 10968913 B2 20210406; US 2018298905 A1 20181018; WO 2017108812 A2 20170629; WO 2017108812 A3 20171026

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