

Title (en)  
COMPRESSOR

Title (de)  
KOMPRESSOR

Title (fr)  
COMPRESSEUR

Publication  
**EP 3502474 A1 20190626 (DE)**

Application  
**EP 17210217 A 20171222**

Priority  
EP 17210217 A 20171222

Abstract (en)  
[origin: WO2019121997A1] The invention relates to a compressor for compressing coolant circulating in a cooling circuit, where, in an operating state of the compressor, in which only the weight force of a compressor-motor unit (4) acts on a spring element arranged in a receiving element (15,16,17,18), at least three, preferably at least 50%, particularly preferably more than 70%, of the spring coils of each spring element (10,11,12,13), as observed in the vertical direction (23), are located inside a receiving space (32) of the respective receiving element (15,16,17,18).

Abstract (de)  
Kompressor zum Verdichten von in einem Kühlkreislauf zirkulierendem Kältemittel, bei dem in einem Betriebszustand des Kompressors, in welchem nur die Gewichtskraft einer Verdichter-Motor-Einheit (4) auf ein in einer Aufnahme (15,16,17,18) angeordnetes Federelement (10,11,12,13) wirkt, zumindest drei, vorzugsweise zumindest 50%, besonders bevorzugt mehr als 70%, der Federwindungen des jeweiligen Federelementes (10,11,12,13) in eine Höhenrichtung (23) gesehen innerhalb eines Aufnahmevolumens (32) der jeweiligen Aufnahme (15,16,17,18) liegen.

IPC 8 full level  
**F04B 39/12** (2006.01); **F04B 53/00** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)  
**F04B 39/12** (2013.01); **F04B 53/001** (2013.01); **F04B 53/002** (2013.01); **F04B 53/16** (2013.01)

Citation (search report)

- [Y] US 3246836 A 19660419 - AYLING ROBERT W
- [Y] US 2977043 A 19610328 - SCHELDORF OWEN H
- [Y] WO 2016188644 A1 20161201 - SECOP GMBH [DE]
- [A] US 2932474 A 19600412 - BECKER EUGENE C H, et al
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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)  
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DOCDB simple family (application)  
**EP 17210217 A 20171222**; EP 2018085964 W 20181219