Title (en)

SPIRAL-TYPE DISPLACEMENT MACHINE, IN PARTICULAR A DISPLACEMENT MACHINE FOR A VEHICLE AIR-CONDITIONING SYSTEM

Title (de)

VERDRÄNGERMASCHINE NACH DEM SPIRALPRINZIP, INSBESONDERE SCROLLVERDICHTER FÜR EINE FAHRZEUGKLIMAANLAGE

Title (fr)

MACHINE VOLUMÉTRIQUE SELON LE PRINCIPE DE LA SPIRALE, EN PARTICULIER COMPRESSEUR À SPIRALE POUR UN CLIMATISATEUR DE VÉHICULE

Publication

EP 3670915 B1 20230208 (DE)

Application

EP 19191561 A 20181212

Priority

- EP 19191561 A 20181212
- EP 18212076 A 20181212

Abstract (en)

[origin: WO2020120659A1] The invention relates to a scroll compressor (3) for refrigerant of a vehicle climate control system, comprising: a housing (12) having a high-pressure chamber (29) and having compressor chambers (24), and having a counter-pressure chamber (25); a stationary scroll (23), the base plate (23b) of which delimits the high-pressure chamber (29); and a movable scroll (21), the spiral wall (21a) of which engages in the spiral wall (23b) of the stationary scroll (23) and forms, together therewith, the compressor chambers (24), wherein the base plate (21b) of the movable scroll (21) delimits the counter-pressure chamber (25), and wherein a pressure line (35) connected to the compressor chambers (24) and to the high-pressure chamber (29) extends, at least in part, in the stationary scroll (23) and is connected via a first channel (36) to at least one of the compressor chambers (24) and via a second channel (37) to the high-pressure chamber (29).

IPC 8 full level

F04C 18/02 (2006.01); **F04C 27/00** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)

F04C 18/0261 (2013.01); **F04C 18/0292** (2013.01); **F04C 27/005** (2013.01); **F04C 29/0021** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 3667086 A1 20200617; **EP 3667086 B1 20230329**; CN 113167273 A 20210723; CN 113167273 B 20230627; EP 3670915 A1 20200624; EP 3670915 B1 20230208; WO 2020120659 A1 20200618

DOCDB simple family (application)

EP 18212076 A 20181212; CN 201980080121 A 20191212; EP 19191561 A 20181212; EP 2019084837 W 20191212