

Title (en)
OPEN-TYPE REFRIGERANT COMPRESSOR

Title (de)
OFFENER KÄLTEMITTELVERDICHTER

Title (fr)
COMPRESSEUR DE FLUIDE FRIGORIGÈNE DE TYPE OUVERT

Publication
EP 3418569 B1 20200325 (EN)

Application
EP 17827539 A 20170706

Priority
• JP 2016136771 A 20160711
• JP 2017024878 W 20170706

Abstract (en)
[origin: EP3418569A1] An open-type refrigerant compressor (1) equipped with: a housing (2); an intake port (3); a compression mechanism (4) that compresses a refrigerant gas containing lubricating oil in the interior of the housing (2); a drive shaft (5) for driving the compression mechanism; a seal member (9) that is provided in a shaft hole (8) through which the drive shaft (5) protrudes to the outside from the housing (2), and that prevents refrigerant gas from leaking to the outside from the interior of the housing (2); a refrigerant supply passage (35) connecting the interior of the housing (2) and the seal member (9); and a refrigerant gas distribution unit (22) that distributes refrigerant gas, which has been introduced into the interior of the housing (2) from the intake port (3), to the refrigerant supply passage (35) side and the compression mechanism (4) side. The refrigerant gas distribution ratio of the refrigerant gas distributed by the refrigerant gas distribution unit (22) is set such that the amount distributed to the refrigerant supply passage (35) side is greater than the amount distributed to the compression mechanism (4) side.

IPC 8 full level
F04B 39/02 (2006.01); **F04B 39/12** (2006.01); **F04C 27/00** (2006.01); **F04C 29/00** (2006.01); **F04C 29/02** (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP)
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Cited by
US11994130B2; US11879464B1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3418569 A1 20181226; **EP 3418569 A4 20190417**; **EP 3418569 B1 20200325**; JP 2018009457 A 20180118; JP 6762785 B2 20200930; WO 2018012411 A1 20180118

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