

Title (en)
OPEN TYPE COMPRESSOR

Title (de)
OFFENER VERDICHTER

Title (fr)
COMPRESSEUR DE TYPE OUVERT

Publication
EP 3091231 A1 20161109 (EN)

Application
EP 16155460 A 20160212

Priority
JP 2015034091 A 20150224

Abstract (en)
There is provided an open type compressor 1 including: a scroll compression mechanism 5, a lip seal 9 that prevents leakage of fluid, a sub bearing 8 disposed on a side closer to the scroll compression mechanism 5 than the lip seal 9, and supporting the drive shaft 6, a cylindrical housing 2 housing the scroll compression mechanism 5, and a front housing 3 mounted so as to block an opening part 2a of the housing 2 and holding the sub bearing 8 and the lip seal 9 on an axis X, characterized in that the front housing 3 is formed with an oil supply groove 3a for communicating a first space S1, which is located on a side of the scroll compression mechanism 5 with respect to the sub bearing 8 and communicated with the suction port 25, with a second space S2, which is located on a side of the lip seal 9 with respect to the sub bearing 8.

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

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 27/005** (2013.01); **F04C 27/009** (2013.01); **F04C 29/028** (2013.01); **F04C 2240/30** (2013.01)

Citation (applicant)
JP 2000352377 A 20001219 - MITSUBISHI HEAVY IND LTD

Citation (search report)
• [XA] EP 1059450 A2 20001213 - MITSUBISHI HEAVY IND LTD [JP]
• [A] EP 1679441 A1 20060712 - TOYOTA JIDOSHOKKI KK [JP]

Cited by
CN108950636A; JP2019056335A; EP4112937A1

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)
EP 3091231 A1 20161109; EP 3091231 B1 20190821; JP 2016156310 A 20160901; JP 6664879 B2 20200313

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EP 16155460 A 20160212; JP 2015034091 A 20150224