Title (en)

SCROLL-TYPE FLUID MACHINE

Title (de)

SPIRALSTRÖMUNGSMASCHINE

Title (fr)

MACHINE À FLUIDE DU TYPE À VOLUTE

Publication

EP 2980409 A4 20161109 (EN)

Application

EP 14774465 A 20140327

Priority

- JP 2013072381 A 20130329
- JP 2014058742 W 20140327

Abstract (en)

[origin: EP2980409A1] The invention improves a cooling effect particularly on the center of a sealed chamber, in which temperature becomes high, reduces power consumption of a cooling fan that creates cooling air, and prevents an increase in size of a casing. A scroll compressor 10 includes a centrifugal fan 50 attached to a drive shaft 18. Inside the scroll compressor 10, there are first and second cooling-air passages. The first cooling-air passage extends from the opening of an inlet duct 16 along a rear face 33 of a fixed scroll 32, further extends between inlet ducts 22a to 22e in the outer peripheral end of the fixed scroll 32 and between ducts 56 and 58 to reach an outlet duct 20. The second cooling-air passage extends from the openings of the inlet ducts 22a to 22e and passes inside the duct 56 to reach the outlet duct 20.

IPC 8 full level

F04C 18/02 (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP)

F01C 1/0215 (2013.01); **F04C 18/0215** (2013.01); **F04C 29/04** (2013.01); **F04D 25/16** (2013.01); **F04D 29/582** (2013.01); F04C 23/005 (2013.01)

Citation (search report)

- [XI] JP S59192883 A 19841101 - HITACHI LTD
- [XI] EP 1813813 A2 20070801 - ANEST IWATA CORP [JP]
- See references of WO 2014157452A1

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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

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