

Title (en)
Scroll fluid machine

Title (de)
Spiralf fluidmaschine

Title (fr)
Machine à spirales

Publication
EP 1837525 A3 20100609 (EN)

Application
EP 07004882 A 20070309

Priority
JP 2006080147 A 20060323

Abstract (en)
[origin: EP1837525A2] A scroll fluid machine comprises a fixed scroll (20) and an orbiting scroll that engages with the fixed scroll (20) to form a compression chamber between the fixed and orbiting scrolls. Near the outer circumference of the fixed and/or orbiting scroll, an annular dust-seal groove (27) is provided. In the groove, a dust seal fits to prevent a gas from coming into the compression chamber or from leaking out of the compression chamber. In the dust-seal groove (27), an annular holder (5) or piece is provided to prevent heat from transferring to the dust seal.

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

CPC (source: EP US)
F04C 18/0215 (2013.01 - EP US); **F04C 27/005** (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US)

Citation (search report)

- [I] EP 1132573 A2 20010912 - ANEST IWATA CORP [JP]
- [A] EP 1593850 A2 20051109 - ANEST IWATA CORP [JP]
- [A] JP 2004301093 A 20041028 - TOKICO LTD
- [A] JP H02145686 A 19900605 - SUMITOMO METAL IND
- [A] JP H09256973 A 19970930 - TOKICO LTD
- [AD] JP H06207588 A 19940726 - KOBE STEEL LTD

Cited by
EP3483446A4; US11085444B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1837525 A2 20070926; EP 1837525 A3 20100609; CN 100523506 C 20090805; CN 101042138 A 20070926; JP 2007255283 A 20071004; US 2007224072 A1 20070927

DOCDB simple family (application)
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