

Title (en)
SCROLL FLUID MACHINE

Title (de)
SPIRALFLUIDMASCHINE

Title (fr)
MACHINE HYDRAULIQUE A SPIRALE

Publication
EP 3165771 A1 20170510 (EN)

Application
EP 16195196 A 20161024

Priority
JP 2015218345 A 20151106

Abstract (en)
A scroll fluid machine includes a housing (3); a pivoting shaft (19) that is disposed in a low-pressure chamber (3L) of the housing and has an oil supply passage (27); a bearing member (21) that is fixed to an inner wall surface of the housing, is provided with an upper bearing (22) configured to pivotally support the pivoting shaft (19) around an axial center (CE), and has an oil discharge passage (21c); and a guide plate (31) that is fixed to the inner wall surface of the housing, and forms a tunnel (41) configured to guide the oil discharged from the oil discharge passage (21c) to an oil reservoir (14) of the housing, between the inner wall surface of the housing and the guide plate (31), a lower surface of the bearing member includes a flat region, and the guide plate has a flat upper surface that faces the flat region.

IPC 8 full level
F04C 23/00 (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)
F04C 23/008 (2013.01); **F04C 29/023** (2013.01); **F04C 29/028** (2013.01)

Citation (applicant)
JP H11182477 A 19990706 - MITSUBISHI HEAVY IND LTD

Citation (search report)
• [X1] EP 0924430 A1 19990623 - MITSUBISHI HEAVY IND LTD [JP] & JP H11182477 A 19990706 - MITSUBISHI HEAVY IND LTD
• [X1] EP 2530320 A1 20121205 - DAIKIN IND LTD [JP]
• [X1] JP 2011149315 A 20110804 - DAIKIN IND LTD
• [A] US 2002034451 A1 20020321 - ABE NOBUO [JP], et al

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

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