

Title (en)
FLUID MACHINE

Title (de)
STRÖMUNGSMASCHINE

Title (fr)
MACHINE À FLUIDE

Publication
EP 3369931 A4 20181212 (EN)

Application
EP 17760067 A 20170301

Priority
• JP 2016042113 A 20160304
• JP 2017008086 W 20170301

Abstract (en)
[origin: EP3369931A1] This hermetic scroll compressor comprises: a ringshaped thrust plate (40) having a through hole (41) through which a lubricating oil flows; and a crankshaft (11) that is placed on the upper surface of the thrust plate (40) and that has a flow path (17) formed in the interior thereof through which the lubricating oil having passed through the through hole (41) of the thrust plate (40) flows. In a sliding region of the crankshaft (11) and the thrust plate (40), a recessed groove (42) to which the lubricating oil is supplied from the through hole (41) is formed in the crankshaft (11) and/or the thrust plate (40). The outer end part (42a), in the radial direction, of the groove (42) is located inward of the outermost peripheral portion of the sliding region.

IPC 8 full level
F04B 39/02 (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)
F04B 39/0246 (2013.01); **F04C 18/0215** (2013.01); **F04C 23/008** (2013.01); **F04C 29/028** (2013.01); **F04B 39/0261** (2013.01); **F04C 2240/80** (2013.01)

Citation (search report)
• [X1] JP S5118486 Y2 19760517
• [X1] US 2014234147 A1 20140821 - TOMIOKA NAOTO [JP], et al
• [X1] US 4131396 A 19781226 - PRIVON GEORGE T, et al
• [A] US 3182901 A 19650511 - SOLOMON BENJAMIN E
• [A] US 4325679 A 19820420 - SMITH ROGER W
• See references of WO 2017150603A1

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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DOCDB simple family (application)
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