

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALES

Publication
EP 3225850 A1 20171004 (EN)

Application
EP 17163269 A 20170328

Priority
JP 2016071994 A 20160331

Abstract (en)
Scroll compressor including: a hermetic housing; a scroll compression mechanism; an electric motor; a crankshaft that is rotationally driven by the electric motor; a crankpin (11A) that is provided at an upper end of the crankshaft and that is inserted into an orbit boss part of an orbiting scroll through a drive bush (25) and a drive bearing (26) in a relatively rotatable manner; an oil supply passage (11a) that is formed along a shaft center line of the crankshaft; and an oil through hole (25a) that has a through-hole shape and that is formed in an interior of a cylindrical wall of the drive bush (25) along an axial direction, and the oil through hole (25a) is formed in a predetermined load angle region (,) in which an outer circumferential surface of the drive bush (25) presses on an inner circumferential surface of the drive bearing (26) at the time of a load operation of the scroll compressor.

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

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 23/008** (2013.01); **F04C 29/023** (2013.01); **F04C 2240/56** (2013.01)

Citation (applicant)
JP H0449684 U 19920427

Citation (search report)
• [A] US 5542830 A 19960806 - YUZAKI TSUNEO [JP]
• [A] JP H03105093 A 19910501 - DAIKIN IND LTD
• [A] WO 2015049745 A1 20150409 - MITSUBISHI ELECTRIC CORP [JP]
• [AD] JP H0449684 U 19920427

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 3225850 A1 20171004; **EP 3225850 B1 20181226**; JP 2017180407 A 20171005; JP 6771928 B2 20201021

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