

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À VOLUTES

Publication
EP 3034878 A1 20160622 (EN)

Application
EP 14836075 A 20140804

Priority
• JP 2013167451 A 20130812
• JP 2014070476 W 20140804

Abstract (en)
Provided is a scroll compressor with which it is possible to reduce damage in sliding sections, even under circumstances in which lubricating oil in a lower oil reservoir part has been depleted. This scroll compressor (1) has a volumetric pump (79) adapted to feed a lubricating oil to an oil feed passage (17a), in order to supply sliding sections above with lubricating oil stored in a lower oil reservoir part (P), via the oil feed passage (17a), which is disposed in a crankshaft (17). An oil retention space (90) is formed extending in an axial direction in the interior of the crankshaft (17), separately from the oil feed passage (17a).

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

CPC (source: EP US)
F04C 18/0215 (2013.01 - EP US); **F04C 29/0057** (2013.01 - EP US); **F04C 29/0085** (2013.01 - US); **F04C 29/023** (2013.01 - EP US); **F04C 29/025** (2013.01 - US); **F04C 23/008** (2013.01 - EP US); **F04C 2240/56** (2013.01 - EP US)

Citation (search report)
See references of WO 2015022869A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3034878 A1 20160622; CN 105452666 A 20160330; JP 2015036525 A 20150223; US 2016208803 A1 20160721; WO 2015022869 A1 20150219

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EP 14836075 A 20140804; CN 201480044293 A 20140804; JP 2013167451 A 20130812; JP 2014070476 W 20140804; US 201414911459 A 20140804