

Title (en)
Scroll compressor and refrigerating machine having the same

Title (de)
Spiralverdichter und K hlmaschine mit diesem Verdichter

Title (fr)
Compresseur de d filement et machine de r frig ration en disposant

Publication
EP 2177766 A3 20110706 (EN)

Application
EP 09163629 A 20090624

Priority
KR 20080101332 A 20081015

Abstract (en)
[origin: EP2177766A2] A scroll compressor and a refrigerating machine including the scroll compressor are provided. An oil supply channel may be formed in a fixed scroll of the compressor so as to provide for communication between a back pressure chamber and compression chambers formed between the fixed scroll and an orbiting scroll. The oil supply channel enables oil to be smoothly introduced from the back pressure chamber into each compression chamber, so that frictional losses and refrigerant leakage in the compression chambers may be effectively prevented, and efficiency of the compressor and the refrigerating machine including the compressor may be enhanced.

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

CPC (source: EP KR US)
F04C 18/02 (2013.01 - KR); **F04C 18/0215** (2013.01 - EP US); **F04C 18/0253** (2013.01 - EP US); **F04C 18/16** (2013.01 - KR); **F04C 29/028** (2013.01 - EP US); **F04C 29/023** (2013.01 - EP US)

Citation (search report)
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• [X] JP S6189990 A 19860508 - HITACHI LTD
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Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

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EP 2177766 A2 20100421; **EP 2177766 A3 20110706**; CN 101725525 A 20100609; KR 101484538 B1 20150120; KR 20100042168 A 20100423; US 2010089093 A1 20100415

DOCDB simple family (application)
EP 09163629 A 20090624; CN 200910158608 A 20090707; KR 20080101332 A 20081015; US 48024509 A 20090608