

Title (en)
Horizontally-mounted scroll compressor

Title (de)
Horizontal montierter Spiralverdichter

Title (fr)
Compresseur à spirales monté horizontalement

Publication
EP 1818541 B1 20140625 (EN)

Application
EP 07002715 A 20070208

Priority
JP 2006033155 A 20060210

Abstract (en)
[origin: EP1818541A1] A horizontally-mounted scroll compressor includes a first annular seal member (34,90,101,102,103,105) which is provided between a movable base plate and a slide-contact body (14,74) for sealing between a back-pressure region (61,82a) and a suction-pressure region (20,43,75,86). The first seal member has a plurality of first groove portions (34a-d) which connect the back-pressure region to the suction-pressure region. The shortest distance along a circumference of the first seal member between any two of the first groove portions which are the remotest from each other is set at not less than one-third of a circumferential length of the first seal member.

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 27/005** (2013.01); **F04C 29/026** (2013.01)

Cited by
CN102374156A; US11193476B2; EP3690246A1; US11168687B2

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1818541 A1 20070815; EP 1818541 B1 20140625; JP 2007211702 A 20070823; JP 4635893 B2 20110223

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