

Title (en)
OLDHAM'S RING AND SCROLL COMPRESSOR

Title (de)
OLDHAM-RING UND SPIRALVERDICHTER

Title (fr)
BAGUE D'OLDHAM ET COMPRESSEUR À SPIRALE

Publication
EP 3660312 A4 20200805 (EN)

Application
EP 18841872 A 20180601

Priority
• JP 2017150056 A 20170802
• JP 2018021216 W 20180601

Abstract (en)
[origin: EP3660312A1] An Oldham's ring (12) includes: a main body portion (31) having an annular shape and is disposed to surround an axis (O); a plurality of keys (32) protruding from the main body portion (31), fitted into groove portions (38, 39) formed in an orbiting scroll (10) and a housing (3), and configured to linearly-reciprocatingly slide with respect to inner surfaces of the groove portions (38, 39); and flange portions (40) formed on the main body portion (31) so as to protrude radially inward from an inner circumferential surface of the main body portion (31). The flange portions (40) is allowed to overlap with a thrust plate (18a) of a bearing (17) that is another facing member in a direction of the axis (O).

IPC 8 full level
F01C 18/02 (2006.01); **F01C 1/02** (2006.01); **F01C 17/06** (2006.01); **F01C 21/02** (2006.01)

CPC (source: EP)
F01C 1/0215 (2013.01); **F01C 17/066** (2013.01); **F04C 18/0215** (2013.01); **F04C 18/0253** (2013.01); **F01C 21/02** (2013.01); **F04C 2240/56** (2013.01)

Citation (search report)
• [X1] JP 2014029117 A 20140213 - HITACHI APPLIANCES INC
• [X1] WO 2017115559 A1 20170706 - DAIKIN IND LTD [JP]
• [XA] US 2016123326 A1 20160505 - FOGT JAMES F [US], et al
• [E] EP 3447294 A1 20190227 - DAIKIN IND LTD [JP]
• See also references of WO 2019026410A1

Designated contracting state (EPC)
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BA ME

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