

Title (en)

KEY COUPLING AND SCROLL COMPRESSOR INCORPORATING SAME

Title (de)

KEILKUPPLUNG UND DIESE EINGLIEDERNDER KOMPRESSOR DER SPIRALBAUART

Title (fr)

ACCOUPLEMENT À CLAVETTE ET COMPRESSEUR À SPIRALE L'INCORPORANT

Publication

EP 2250345 A1 20101117 (EN)

Application

EP 09701754 A 20090115

Priority

- US 2009031050 W 20090115
- US 1557108 A 20080117

Abstract (en)

[origin: US2009185927A1] A scroll compressor includes a movable scroll compressor body and a fixed scroll compressor body that are arranged for relative orbital movement relative to one another to facilitate compression of refrigerant. To guide the orbital movement, a Oldham key coupling is provided that may include four keys spaced in separate quadrants for guiding movement of the scroll compressor body along a linear translational path along a lateral axis. Additionally, running clearances may be unequally and non-symmetrically arranged so as to prevent unwanted rotation of one of the scroll compressor bodies and thereby prevent unwanted edge loading.

IPC 8 full level

F01C 17/06 (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP US)

F01C 17/066 (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP US)

Citation (search report)

See references of WO 2009091858A1

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

DOCDB simple family (publication)

US 2009185927 A1 20090723; CN 101952551 A 20110119; CN 101952551 B 20141015; EP 2250345 A1 20101117; EP 2250345 B1 20190313; JP 2011510209 A 20110331; KR 101342409 B1 20131217; KR 20110000543 A 20110103; WO 2009091858 A1 20090723

DOCDB simple family (application)

US 1557108 A 20080117; CN 200980102291 A 20090115; EP 09701754 A 20090115; JP 2010543220 A 20090115; KR 20107017951 A 20090115; US 2009031050 W 20090115