Title (en)

SCROLL COMPRESSOR

Title (de)

SPIRALVERDICHTER

Title (fr)

COMPRESSEUR À SPIRALES

Publication

EP 3415765 A1 20181219 (EN)

Application

EP 18171091 A 20180507

Priority

KR 20170074856 A 20170614

Abstract (en)

Scroll compressor in which a discharge port (325) is formed at a central portion thereof, and a pair of two compression chambers continuously moving toward the discharge port are formed, and a plurality of bypass portions (381, 382) are formed at each interval along a movement path of each compression chamber in the both compression chambers, and compression gradients of the both compression chambers are formed to be different from each other, a total cross-sectional area of the second bypass hole (382) is larger than a total cross-sectional area of the first bypass hole (381) within a range of a rotation angle of 180 degrees along the first wrap from an inner end of the first wrap with respect to an axial center (O) of the rotating shaft.

IPC 8 full level

F04C 28/26 (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP KR)

F04C 18/0215 (2013.01 - EP KR); **F04C 18/0261** (2013.01 - EP); **F04C 28/22** (2013.01 - KR); **F04C 28/26** (2013.01 - EP KR); **F04C 29/12** (2013.01 - KR); F04C 23/008 (2013.01 - EP); F04C 2270/46 (2013.01 - EP)

Citation (search report)

- [XY] WO 2014189240 A1 20141127 - LG ELECTRONICS INC [KR]
- [Y] JP 2001200795 A 20010727 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP H09217690 A 19970819 - MATSUSHITA ELECTRIC IND CO LTD

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3415765 A1 20181219; **EP 3415765 B1 20210414**; CN 110741163 A 20200131; CN 110741163 B 20220426; KR 102379671 B1 20220328; KR 20180136210 A 20181224; WO 2018230827 A1 20181220

DOCDB simple family (application)

EP 18171091 A 20180507; CN 201880039040 A 20180416; KR 20170074856 A 20170614; KR 2018004377 W 20180416