

Title (en)
COMPRESSOR SYSTEM

Title (de)
VERDICHTERSYSTEM

Title (fr)
SYSTÈME DE COMPRESSEUR

Publication
EP 3550147 A1 20191009 (EN)

Application
EP 19167376 A 20190404

Priority
JP 2018074090 A 20180406

Abstract (en)
A compressor system includes a compression mechanism unit which includes a cylinder (12A) having a compression chamber formed inside; a housing (11) through which a high-pressure refrigerant generated flows; and a suction pipe (26A) in which an insertion end portion (42) to be inserted into an suction port (23A) formed in the cylinder (12A) is formed at an end portion. Between an outer peripheral surface of the insertion end portion (42) and an inner peripheral surface of the suction port (23A), an abutment region in which the outer peripheral surface of the insertion end portion (42) and the inner peripheral surface of the suction port (23A) abut each other, and a non-abutment region (A2) forming a space between the outer peripheral surface of the insertion end portion (42) and the inner peripheral surface of the suction port (23A) are formed.

IPC 8 full level
F04C 18/356 (2006.01); **F04C 23/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)
F04C 18/356 (2013.01); **F04C 23/001** (2013.01); **F04C 23/008** (2013.01); **F04C 29/12** (2013.01); **F04C 2240/804** (2013.01); **F04C 2240/806** (2013.01)

Citation (applicant)
JP 2014190267 A 20141006 - MITSUBISHI ELECTRIC CORP

Citation (search report)
• [XA] EP 2778421 A1 20140917 - PANASONIC CORP [JP]
• [X] US 4639198 A 19870127 - GANNAWAY EDWIN L [US]
• [X] JP 2004285993 A 20041014 - MATSUSHITA ELECTRIC IND CO LTD
• [X] JP H05312152 A 19931122 - DAIKIN IND LTD

Cited by
US2022186731A1; US12000401B2

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 3550147 A1 20191009; EP 3550147 B1 20230705; EP 3550147 C0 20230705; JP 2019183720 A 20191024

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EP 19167376 A 20190404; JP 2018074090 A 20180406