

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 3330544 A1 20180606 (EN)

Application
EP 17203559 A 20171124

Priority
JP 2016232842 A 20161130

Abstract (en)
The compressor includes a discharge valve mechanism (B) which, according to a pressure difference between one side (21) and the other side (22) communicating with each other through a discharge port (23), automatically opens and closes a discharge opening (24) which opens to the other side (22) of the discharge port (23), in which the discharge valve mechanism (B) includes a valve body (25) which is elastically deformed as a pressure of the one side (21) is greater than a pressure of the other side (22) to open the discharge opening (24) and is returned to an original state as the pressure of the one side (21) is less than or equal to the pressure of the other side (22) to close the discharge opening (25), and a wall portion (30) which protrudes from one surface (17a) of the other side (22) on which the discharge opening (24) is formed and is provided around the discharge opening (24) and the valve body (25).

IPC 8 full level
F04C 29/12 (2006.01)

CPC (source: EP)
F04C 29/128 (2013.01)

Citation (applicant)
• JP 2014040827 A 20140306 - DAIKIN IND LTD
• JP 2013167215 A 20130829 - MITSUBISHI HEAVY IND LTD

Citation (search report)
• [X] JP S608577 A 19850117 - HITACHI LTD
• [XA] US 5203686 A 19930420 - SCHELDORF OWEN H [US], et al
• [X] JP 2004011457 A 20040115 - DENSO CORP
• [X] JP S5898692 A 19830611 - MATSUSHITA REFRIGERATION
• [X] EP 0174530 A2 19860319 - MITSUBISHI ELECTRIC CORP [JP]
• [X] JP S62199988 A 19870903 - TOSHIBA CORP
• [X] DE 4007371 A1 19900913 - BRASIL COMPRESSORES SA [BR]
• [XA] JP S63289285 A 19881125 - FUJITSU GENERAL LTD

Cited by
CN111852873A; CN111120266A

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 3330544 A1 20180606; JP 2018091165 A 20180614

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EP 17203559 A 20171124; JP 2016232842 A 20161130