

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 2894341 A4 20150715 (EN)

Application
EP 13846059 A 20130826

Priority
• JP 2012226183 A 20121011
• JP 2013005026 W 20130826

Abstract (en)
[origin: EP2894341A1] To provide a compressor which can produce a high noise reduction effect by sufficiently reducing pressure pulsations of a refrigerant discharged from a muffler outlet. A rotary compressor 1 includes: a compression mechanism 20 which compresses a refrigerant with rotation of a shaft 123; and a muffler 30 which is provided around the shaft 123 opposite to the compression mechanism 20 and receives the refrigerant discharged from the compression mechanism 20. A muffler outlet 38 for discharging the refrigerant inside the muffler 30 opens annularly along an outer periphery of the shaft 123. A constriction 36, at which a passage of the refrigerant flowing toward the muffler outlet 38 is narrowed in the length direction of the shaft 123, is formed around the shaft 123 inside the muffler 30.

IPC 8 full level
F04C 18/356 (2006.01); **F04C 29/06** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)
F04C 18/356 (2013.01); **F04C 29/065** (2013.01); **F04C 29/068** (2013.01); **F04C 23/008** (2013.01)

Citation (search report)
• [X] WO 2006112168 A1 20061026 - DAIKIN IND LTD [JP], et al
• [X] JP H04143482 A 19920518 - DAIKIN IND LTD
• [X] WO 2009059488 A1 20090514 - GUANG DONG MEI ZHI REFRIGERATI [CN], et al
• [X] US 2007148026 A1 20070628 - HIGASHI HIROFUMI [JP]
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• See references of WO 2014057602A1

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CN106837803A; CN106917750A; CN106246558A

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 2894341 A1 20150715; EP 2894341 A4 20150715; EP 2894341 B1 20190320; JP 2014077410 A 20140501; JP 6130642 B2 20170517; WO 2014057602 A1 20140417

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