

Title (en)
ROTARY COMPRESSOR

Title (de)
ROTATIONSVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF

Publication
EP 3399193 A4 20181212 (EN)

Application
EP 17785709 A 20170315

Priority
• JP 2016084924 A 20160421
• JP 2017010498 W 20170315

Abstract (en)
[origin: EP3399193A1] A rotary compressor (1) includes a rotating shaft (3), a rotary-type compression mechanism (4), and a muffler (10) which is disposed around the axis of the rotating shaft (3). The muffler (10) includes: a muffler body (11) for receiving a compressed refrigerant therein; and a flow passage wall (12) for forming an output flow passage (100) between the flow passage wall (12) and the rotating shaft (3) or a bearing section (6B), the output flow passage (100) having a predetermined length and allowing the refrigerant to flow to the outside of the muffler (10) in the axial direction of the rotating shaft (3). The output flow passage (100) includes: a first flow passage portion (101) located at a part in the circumferential direction (D1) of the rotating shaft (3); and a second flow passage portion (102) which is adjacent to the first flow passage portion (101) in the circumferential direction (D1). The second flow passage portion (102) has a greater dimension in the radial direction of the rotating shaft (3) than that of the first flow passage portion (101), and has a greater cross-sectional area than that of the first flow passage portion (101).

IPC 8 full level
F04C 29/06 (2006.01); **F04C 18/356** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP)
F04C 18/356 (2013.01); **F04C 23/008** (2013.01); **F04C 29/06** (2013.01); **F04C 29/065** (2013.01); **F04C 29/068** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2017183367A1

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 3399193 A1 20181107; **EP 3399193 A4 20181212**; CN 108496009 A 20180904; JP 2017194016 A 20171026; JP 6683532 B2 20200422; WO 2017183367 A1 20171026

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