

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 3584443 A4 20200902 (EN)

Application
EP 18754196 A 20180213

Priority
• JP 2017024881 A 20170214
• JP 2018004769 W 20180213

Abstract (en)
[origin: EP3584443A1] A compressor that reduces the amount of oil circulating in a refrigeration cycle by improving the function of separating oil from a medium in the compressor is provided.[Solution to Problem]A discharge chamber 24 is divided, by a dividing wall 6d formed in a rear housing 6 in a vertical direction, into a first discharge chamber 24a in which a discharge outlet 18d is formed and a second discharge chamber 24b in which an introduction passage 25 to an oil separation chamber 28a of an oil separator 28 is formed. A passage 27 that makes the first discharge chamber 24a and the second discharge chamber 24b communicate with each other is formed in an upper part of the discharge chamber 24.

IPC 8 full level
F04B 39/04 (2006.01); **F04B 39/02** (2006.01); **F04B 39/16** (2006.01); **F04C 18/02** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)
F04B 39/02 (2013.01); **F04B 39/04** (2013.01); **F04B 39/16** (2013.01); **F04C 18/02** (2013.01); **F04C 29/02** (2013.01)

Citation (search report)
• [X] US 4283997 A 19810818 - TAKAHASHI HARUO, et al
• [X] US 4290345 A 19810922 - HIRAGA MASAHARU, et al
• [XI] WO 2014168085 A1 20141016 - SANDEN CORP [JP]
• [XI] JP 2002242835 A 20020828 - SEIKO INSTR INC
• See references of WO 2018151061A1

Cited by
US2024011490A1; US11982276B2

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

DOCDB simple family (publication)
EP 3584443 A1 20191225; EP 3584443 A4 20200902; EP 3584443 B1 20230419; CN 110291292 A 20190927; CN 110291292 B 20210907; JP 7015798 B2 20220203; JP WO2018151061 A1 20191212; WO 2018151061 A1 20180823

DOCDB simple family (application)
EP 18754196 A 20180213; CN 201880011611 A 20180213; JP 2018004769 W 20180213; JP 2018568506 A 20180213