

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 3514385 A4 20191113 (EN)

Application
EP 18770271 A 20180111

Priority
• JP 2017055712 A 20170322
• JP 2018000434 W 20180111

Abstract (en)
[origin: EP3514385A1] This compressor is provided with a seating plate (28) disposed between a base (15, 17) and a valve body (25) and in contact with the surface of the valve body (25), which faces the base (15, 17), to support the valve body (25). The seating plate (28) consists of a harder material than the base (15, 17) and has: a through-hole (28a) corresponding to a discharge port (15c, 17c); and a plurality of affixation sections (28b, 28c) for affixing the seating plate (28) to the base (15, 17), the plurality of affixation sections (28b, 28c) being provided on both sides of the center of the through-hole (28a) in the direction of extension.

IPC 8 full level
F04B 39/10 (2006.01); **F04B 39/14** (2006.01); **F04C 29/12** (2006.01); **F04B 53/10** (2006.01); **F04C 18/02** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP KR)
F04B 39/1073 (2013.01 - EP); **F04B 39/14** (2013.01 - EP); **F04C 18/0215** (2013.01 - EP); **F04C 23/008** (2013.01 - EP); **F04C 29/124** (2013.01 - KR); **F04C 29/128** (2013.01 - EP); **F04B 53/105** (2013.01 - EP); **F04B 53/1087** (2013.01 - EP); **F04C 2210/26** (2013.01 - KR); **F05B 2210/14** (2013.01 - KR)

Citation (search report)
• [Y] JP H08338368 A 19961224 - TOKICO LTD
• [Y] JP 2001099066 A 20010410 - SANYO ELECTRIC CO
• [Y] JP 2016014326 A 20160128 - CALSONIC KANSEI CORP
• [Y] US 5853288 A 19981229 - MOTEGI SHUJI [JP], et al
• [Y] US 2015211508 A1 20150730 - HORI KAZUTAKA [JP], et al
• [Y] JP S58172482 A 19831011 - HITACHI LTD
• See references of WO 2018173428A1

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 3514385 A1 20190724; EP 3514385 A4 20191113; EP 3514385 B1 20201202; AU 2018239557 A1 20190418; AU 2018239557 B2 20200723; CN 109844315 A 20190604; CN 109844315 B 20201208; JP 2018159287 A 20181011; JP 2022040255 A 20220310; JP 7032864 B2 20220309; KR 102327970 B1 20211117; KR 20190049846 A 20190509; KR 20210034105 A 20210329; WO 2018173428 A1 20180927

DOCDB simple family (application)
EP 18770271 A 20180111; AU 2018239557 A 20180111; CN 201880003905 A 20180111; JP 2017055712 A 20170322; JP 2018000434 W 20180111; JP 2022003170 A 20220112; KR 20197010576 A 20180111; KR 20217008201 A 20180111