

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALES

Publication
EP 4098877 A1 20221207 (EN)

Application
EP 20916754 A 20201222

Priority
• JP 2020010489 A 20200127
• JP 2020047805 W 20201222

Abstract (en)
A scroll compressor has an axial gap between fixed spiral wrap (11b) and orbiting scroll bottom surface (12e) and between orbiting spiral wrap (12b) and fixed scroll bottom surface (11d), and is configured such that orbiting scroll end plate (12a) is pressed against outer peripheral wall (11c) of fixed scroll (11) in a region with angle of rotation larger than maximum involute angle of fixed scroll (11), and one of fixed scroll (11) and orbiting scroll (12) has a higher hardness than the other.

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 18/0246** (2013.01); **F04C 23/008** (2013.01); **F04C 27/005** (2013.01); **F04C 2230/92** (2013.01); **F05C 2251/10** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4098877 A1 20221207; **EP 4098877 A4 20230726**; CN 115023550 A 20220906; JP 7454786 B2 20240325; JP WO2021153099 A1 20210805; WO 2021153099 A1 20210805

DOCDB simple family (application)
EP 20916754 A 20201222; CN 202080094422 A 20201222; JP 2020047805 W 20201222; JP 2021574541 A 20201222