

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 3382205 A4 20181107 (EN)

Application
EP 17760066 A 20170301

Priority
• JP 2016042114 A 20160304
• JP 2017008085 W 20170301

Abstract (en)
[origin: EP3382205A1] This hermetic scroll compressor includes: a hermetic housing; a scroll compressing mechanism housed in the hermetic housing; a discharge cover (3) provided with a discharge port (29) through which a refrigerant compressed by the scroll compressing mechanism passes; a discharge chamber formed between the hermetic housing and the discharge cover (3); an injection tube (50) provided so as to be passed inside the discharge chamber, and within which the refrigerant flows; and a reed valve (40) that is provided to the discharge port (29) of the discharge cover (3), and that is configured such that the refrigerant discharged from the discharge port (29) to the discharge chamber is ejected in a direction separating from the injection tube (50).

IPC 8 full level
F04C 18/02 (2006.01); **F04C 23/00** (2006.01); **F04C 29/04** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)
F04C 18/02 (2013.01); **F04C 18/0215** (2013.01); **F04C 23/008** (2013.01); **F04C 29/04** (2013.01); **F04C 29/042** (2013.01); **F04C 29/12** (2013.01); **F04C 29/128** (2013.01); **F04C 2240/806** (2013.01)

Citation (search report)
• [XAI] EP 1882857 A1 20080130 - DAIKIN IND LTD [JP]
• [X] EP 0747597 A2 19961211 - COPELAND CORP [US]
• [X] JP S58187594 A 19831101 - HITACHI LTD
• See references of WO 2017150602A1

Cited by
WO2021167288A1

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 3382205 A1 20181003; **EP 3382205 A4 20181107**; **EP 3382205 B1 20201118**; CN 108474378 A 20180831; CN 108474378 B 20201027; JP 2017155719 A 20170907; JP 6710545 B2 20200617; WO 2017150602 A1 20170908

DOCDB simple family (application)
EP 17760066 A 20170301; CN 201780005285 A 20170301; JP 2016042114 A 20160304; JP 2017008085 W 20170301