

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALE

Publication
EP 4095385 A4 20230719 (EN)

Application
EP 20914982 A 20200923

Priority
• JP 2020010166 A 20200124
• JP 2020035764 W 20200923

Abstract (en)
[origin: EP4095385A1] According to a scroll compressor of the present invention, a pair of fixed-side keys 17b are formed on one of ring surfaces of a ring portion 17a through a pedestal 17d, a pair of turning-side keys 17c are formed on the one of the ring surfaces of the ring portion 17a, a circumferential width dw of the pedestal 17d is larger than a circumferential width bw of the fixed-side key 17b, a radial width cr of the turning-side key 17c is larger than a radial width ar of the ring portion 17a, and a radial inner end surface 17ci of the turning-side key 17c projects an inner circumferential surface 17ai of the ring portion 17a. According to this, it is possible to provide a scroll compressor having high rigidity of a key peripheral portion in a rotation restraint member 17.

IPC 8 full level
F04C 18/02 (2006.01); **F01C 17/06** (2006.01); **F04C 23/00** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F01C 17/066 (2013.01); **F04C 18/0215** (2013.01); **F04C 29/0057** (2013.01); **F04C 23/008** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2021149303A1

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 4095385 A1 20221130; **EP 4095385 A4 20230719**; CN 114981541 A 20220830; JP 2021116731 A 20210810; WO 2021149303 A1 20210729

DOCDB simple family (application)
EP 20914982 A 20200923; CN 202080094189 A 20200923; JP 2020010166 A 20200124; JP 2020035764 W 20200923