

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALE

Publication
EP 4293229 A1 20231220 (EN)

Application
EP 22795237 A 20220216

Priority
• JP 2021075611 A 20210428
• JP 2022006233 W 20220216

Abstract (en)
Provided is a scroll compressor in which: a discharge port (18) through which a compressed fluid is discharged is formed in an end plate (15A) of a fixed scroll (15); a center side compression chamber (17A) communicating with the discharge port (18) is formed between an inside end portion (15Ba) of a spiral wrap (15B) and an inside end portion (16Ba) of a spiral wrap (16B); a dorsal side compression chamber (17B) is formed between a dorsal side of the spiral wrap (15B) and a ventral side of the spiral wrap (16B); a ventral side compression chamber (17C) is formed between a ventral side of the spiral wrap (15B) and a dorsal side of the spiral wrap (16B); a cut-out portion (15Bb) providing communication between the center side compression chamber (17A) and the dorsal side compression chamber (17B) is formed on a dorsal side of a tooth tip surface facing the end plate; and a cut-out portion (16Bb) providing communication between the center side compression chamber (17A) and the ventral side compression chamber (17C) is formed on a dorsal side of a tooth tip surface facing the end plate (15A).

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
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KH MA MD TN

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