Title (en)

SCROLL COMPRESSOR

Title (de)

SPIRALVERDICHTER

Title (fr)

COMPRESSEUR À SPIRALES

Publication

EP 2980408 A4 20161221 (EN)

Application

EP 13880382 A 20130329

Priority

JP 2013059444 W 20130329

Abstract (en)

[origin: EP2980408A1] The purpose of the present invention is to suppress the contact between the wrap tooth tip and the tooth bottom by enlarging the tooth bottom step, and to reduce the loss owing to the gap as a result of enlarging the tooth bottom step. The fixed scroll includes a fixed scroll-side flat plate and a fixed-side wrap standing on one surface of the fixed-side plate while retaining the spiral shape. The orbiting scroll includes an orbiting-side plate and an orbiting-side wrap standing on one surface of the orbiting-side plate while retaining the spiral shape. The orbiting-side wrap orbits with respect to the fixed scroll while being in mesh with the fixed-side wrap to form a compression chamber. Each of the fixed-side plate and the orbiting-side plate has the step on the tooth bottom at the inner periphery deeper than the step on the tooth bottom at the outer periphery. The step at the outer or the inner periphery, which is formed on the tooth bottom of the orbiting-side plate, has the depth smaller than the one on the tooth bottom of the fixed-side plate.

IPC 8 full level

F04C 18/02 (2006.01)

CPC (source: EP US)

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Citation (search report)

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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

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