

Title (en)
ROTARY COMPRESSOR

Title (de)
ROTATIONSVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF

Publication
EP 3889432 B1 20240221 (EN)

Application
EP 21162742 A 20210316

Priority
KR 20200040419 A 20200402

Abstract (en)
[origin: EP3889432A1] A rotary compressor includes: a rotational shaft; a bearing plate supporting the rotational shaft; a cylinder coupled to the bearing plate and provided with an inlet port and a vane slot formed along a circumferential direction to be spaced apart by a predetermined distance; a roller coupled to the rotational shaft, provided inside the cylinder to form a compression space together with the bearing plate and the cylinder, and provided with a hinge groove formed on an outer circumferential surface thereof; and a vane having one end slidingly coupled to the vane slot of the cylinder and another end rotatably coupled to the hinge groove of the roller. At least one suction guide portion is provided at the outer circumferential surface of the roller in a recessed manner.

IPC 8 full level
F04C 18/324 (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP KR)
F04C 18/324 (2013.01 - EP); **F04C 18/344** (2013.01 - KR); **F04C 29/12** (2013.01 - EP); **F04C 2240/20** (2013.01 - KR)

Designated contracting state (EPC)
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EP 3889432 A1 20211006; **EP 3889432 B1 20240221**; CN 215292887 U 20211224; KR 102317529 B1 20211026; KR 20210123104 A 20211013

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