

Title (en)
Cylinder and rotary compressor having the same

Title (de)
Zylinder und Rotationskompressor mit diesem Zylinder

Title (fr)
Cylindre et compresseur rotatif doté de celui-ci

Publication
EP 2169230 A3 20140108 (EN)

Application
EP 08169527 A 20081120

Priority
KR 20080094154 A 20080925

Abstract (en)
[origin: EP2169230A2] A rotary compressor includes a cylinder (100) which includes a compressing chamber (110) receiving a roller (52), a suction port (130) supplying a fluid to the compressing chamber (110), and a vane groove (170) receiving a vane (171) and allowing the vane (171) to reciprocate in the vane groove (170) such that the compressing chamber (110) is divided into a suction area (111) and a discharge area (113) by the vane, and an expansion groove (131) formed adjacent to an outlet of the suction port (130) and obtained by enlarging a sectional area of the suction port.

IPC 8 full level
F04C 18/356 (2006.01); **F04C 23/00** (2006.01); **F04C 27/02** (2006.01)

CPC (source: EP KR)
F01C 21/0845 (2013.01 - EP); **F04C 18/00** (2013.01 - KR); **F04C 18/356** (2013.01 - KR); **F04C 18/3564** (2013.01 - EP); **F04C 23/008** (2013.01 - EP); **F04C 27/02** (2013.01 - EP); **F04C 29/028** (2013.01 - EP); **F04C 27/004** (2013.01 - EP); **F04C 2250/101** (2013.01 - EP)

Citation (search report)

- [X] US 5829960 A 19981103 - DREIMAN NELIK I [US]
- [X] JP H04203387 A 19920723 - HITACHI LTD
- [X] JP S5888487 A 19830526 - TOKYO SHIBAURA ELECTRIC CO

Cited by
US11002279B2; KR20180090324A; US11060522B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2169230 A2 20100331; **EP 2169230 A3 20140108**; CN 101684812 A 20100331; KR 20100034914 A 20100402

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EP 08169527 A 20081120; CN 200810181572 A 20081127; KR 20080094154 A 20080925