

Title (en)
POSITIVE DISPLACEMENT GEAR PUMP

Title (de)
VERDRÄNGERZAHNRADPUMPE

Title (fr)
POMPE À ENGRENAGES VOLUMÉTRIQUE

Publication
EP 3049622 A1 20160803 (EN)

Application
EP 13811014 A 20130927

Priority
IT 2013000260 W 20130927

Abstract (en)
[origin: WO2015044969A1] A positive displacement pump (1) comprises a casing with a central body (2) and two closing lids (20), said central body (2) being provided with two cylindrical communicating chambers (22, 23), one suction pipe (I) and one discharge pipe (O), and two rotors (3, 4) revolvingly mounted in said chambers (22, 23) of the central body and supported by shafts (5, 6) revolvingly mounted in said closing lids (20). The two rotors comprise: a male rotor (3) comprising only protuberances (30), not cavities, and a female rotor (4) comprising only cavities (40), not teeth or protuberances.

IPC 8 full level
F01C 1/12 (2006.01); **F04C 2/12** (2006.01)

CPC (source: CH EP RU US)
F01C 1/123 (2013.01 - CH EP US); **F04C 2/08** (2013.01 - US); **F04C 2/123** (2013.01 - CH EP US); **F04C 2/20** (2013.01 - EP US); **F04C 15/0026** (2013.01 - CH US); **F04C 15/0088** (2013.01 - US); **F04C 18/08** (2013.01 - US); **F04C 18/123** (2013.01 - CH US); **F04C 27/006** (2013.01 - CH US); **F04C 29/02** (2013.01 - US); **F04C 2/20** (2013.01 - RU); **F04C 15/0026** (2013.01 - RU)

Citation (search report)
See references of WO 2015044969A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
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