

Title (en)
Lobe pump

Title (de)
Wälzkolbenpumpe

Title (fr)
Pompe à lobes

Publication
EP 1898096 A3 20100428 (DE)

Application
EP 07012326 A 20070623

Priority
DE 102006041633 A 20060905

Abstract (en)
[origin: EP1898096A2] In the intersecting region of the cylinder sections, trapezoidal inlet and outlet ports are provided at the circumferential cylinder surface and are opposed to each other. Located in the interior of each cylinder section is a rotor where central longitudinal axes of the rotors and cylindrical sections are parallel. Each rotor is helically twisted when viewed in the longitudinal direction to create sinusoidal surface lines (12) that function as sealing lines. The rotors are driven about their center longitudinal axes in opposite directions (10,11).

IPC 8 full level
F04C 18/12 (2006.01)

CPC (source: EP US)
F04C 2/084 (2013.01 - EP US); **F04C 2/126** (2013.01 - EP US); **F04C 2/16** (2013.01 - EP US); **F04C 2250/10** (2013.01 - EP US)

Citation (search report)

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- [Y] DE 4121684 A1 19930107 - LANGER BSA MASCHF [DE]
- [AD] US 1142734 A 19150608 - SIDWELL CHARLES W [US]
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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