

Title (en)  
Lobe pump

Title (de)  
Wälzkolbenpumpe

Title (fr)  
Pompe à lobes

Publication  
**EP 1898096 A2 20080312 (DE)**

Application  
**EP 07012326 A 20070623**

Priority  
DE 102006041633 A 20060905

Abstract (en)  
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).

Abstract (de)  
Bei einer Wälzkolbenpumpe ist zur Verbesserung der Pumpleistung und Erhöhung der Standfestigkeit vorgesehen, dass die als Dichtlinien fungierenden Mantellinien sinusförmig ausgebildet sind.

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)

Designated contracting state (EPC)  
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AL BA HR MK YU

DOCDB simple family (publication)  
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