

Title (en)  
Lobe pump

Title (de)  
Wälzkolbenpumpe

Title (fr)  
Pompe à lobes

Publication  
**EP 1898096 B1 20110803 (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)

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**EP 1898096 A2 20080312; EP 1898096 A3 20100428; EP 1898096 B1 20110803**; AT E519035 T1 20110815; BR PI0703913 A2 20100119; CN 101139989 A 20080312; CN 101139989 B 20111012; DE 102006041633 A1 20080313; ES 2370661 T3 20111221; PL 1898096 T3 20111230; RU 2007132984 A 20090310; RU 2463481 C2 20121010; US 2008056927 A1 20080306; US 7766635 B2 20100803

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