

Title (en)

Epitrochoidal pump

Title (de)

Epitrochoidische Pumpe

Title (fr)

Pompe épitrochoidal

Publication

EP 0799996 A2 19971008 (EN)

Application

EP 97830155 A 19970328

Priority

IT PR960017 A 19960404

Abstract (en)

The invention falls within the sector of volumetric pumps and relates to an epitrochoidal pump, comprising: at least one rotor (6) which performs a roto- translatory movement inside a chamber (5) with a trochoidal profile and is driven by an epitrochoidal gearing (7, 8); separator elements (16) applied to the rotor (6) and to the walls of the chamber (5) so as to define inside said chamber (5) at least three areas which are separate from one another and the positioning and volume of which vary cyclically owing to the movement of the rotor (6); two inlets for suction ducts (10, 11) and two outlets for delivery ducts (13, 14) arranged inside the chamber (5) so that, whatever the position of the rotor (6), both a suction duct and a delivery duct are always active. <IMAGE>

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F04C 2/22; F04C 15/00

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2722482A1; KR20040011036A; DE102004052928A1; EA010914B1; DE102004052928B4; US7674100B2; USRE44841E; USRE47590E; US7520738B2; WO2018073620A1; WO2006048212A3; WO2006027548A1; WO2006048212A2; US8192183B2

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