Title (en)

Rotary pump with a variable flow rate, particularly for oil

Title (de)

Drehkolbenpumpe mit veränderlicher Durchflussmenge, insbesondere für Öl

Title (fr)

Pompe rotative à capacité variable, en particulier pour de l'huile

Publication

**EP 1213481 A1 20020612 (EN)**

Application

**EP 01128459 A 20011205**

Priority

IT TO20001133 A 20001205

Abstract (en)

A rotary pump (1) with a variable flow rate, particularly for oil, has a support body (2), with a suction mouth (3), which, in use, is connected to an oil tank, and a delivery mouth (4), which, in use, is connected to a delivery circuit, and accommodates a drive rotor (6) and a driven rotor (7); the rotors (6, 7) can rotate around their own axes (12, 13), in order to convey oil from the suction mouth (3) to the delivery mouth (4), and are each defined by a corresponding set (6, 7) of toothed wheels (10, 11), which are superimposed axially on one another, each of which engages with a corresponding wheel (11, 10) of the other set (7, 6); in use, the sets (6, 7) have a first part of the wheels (A) which can rotate, and a second part of the wheels (B) which is fixed, the axial thicknesses of which sets are variable by means of a regulation unit (25), according to the delivery pressure. <IMAGE>

IPC 1-7

**F04C 15/04**; F04C 2/18

IPC 8 full level

**F04C 2/18** (2006.01); **F04C 14/18** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

**F04C 14/18** (2013.01)

Citation (search report)

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DE ES FR GB SE

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