

Title (en)
VANE PUMP

Publication
EP 0333391 B1 19930526 (EN)

Application
EP 89302398 A 19890310

Priority
• DK 144188 A 19880316
• DK 657488 A 19881125

Abstract (en)
[origin: EP0333391A2] A vane pump for working at relatively low rotary speed (even < 70 rpm), which pump comprises a pump housing 3 (with inlet 5 and outlet 7 ports), a rotatable seated pump wheel 15 fitted in said housing with its axis 51 of rotation eccentrically placed in relation to the interior of the pump housing, said pump wheel being fitted with two vanes 37 seated such as to be radially slidable in relation to the pump wheel and being movable between two extreme positions dependent on the shape and internal siting within the pump housing of parts 57 intended for guiding radially facing edges 45 of the vanes, wherein each vane stretches diametrically through the pump wheel and is substantially at right angles to the other vane, the parts guiding the vane edges are shaped to define circular arc-sections of travel for the vane edges centred in the rotation axis of the wheel in at least one section between the inlet port and the outlet port, said section covering an angle of at least 90 DEG as viewed parallel to the rotation axis.

IPC 1-7
F04C 2/344

IPC 8 full level
F04C 2/344 (2006.01)

CPC (source: EP)
F04C 2/3441 (2013.01)

Cited by
GB2389875A; FR2757575A1; US7258535B2; US5795143A; US5911567A; WO9509973A1; WO9308403A1; WO0035514A1; WO9842984A1

Designated contracting state (EPC)
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