Title (en)
  VANE PUMP

Publication
  EP 0333391 A3 19900117 (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)

Citation (search report)
  • [X] DE 1043230 B 19581106 - EGYESUELT IZZOLAMPA
  • [X] FR 386967 A 19080627 - JEAN NEPOMUCENE HOCHGESAND [FR]
  • [X] US 2495771 A 19500131 - ELLA RICHER
  • [Y] US 1943561 A 19340116 - STALEY BENJAMIN M
  • [A] EP 0134636 A1 19850320 - POSS DESIGN LTD [CA]
  • [A] FR 2504609 A1 19821029 - SULZER AG [FR]

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

Designated contracting state (EPC)
  AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
  EP 0333391 A2 19890920; **EP 0333391 A3 19900117**; **EP 0333391 B1 19930526**; DE 68906693 D1 19930701

DOCDB simple family (application)
  EP 89302398 A 19890310; DE 68906693 T 19890310