

Title (en)
Vane pump

Title (de)
Flügelzellenpumpe

Title (fr)
Pompe rotative à palettes universelle

Publication
EP 0618363 B1 19970312 (FR)

Application
EP 94400728 A 19940401

Priority
FR 9304085 A 19930402

Abstract (en)
[origin: EP0618363A1] The invention relates to a universal vane pump capable of drawing in with equal ease liquids of greater or lesser viscosity, or pasty, granular or fibrous substances, of the sort essentially including a stator with cylindrical bore, an eccentric cylindrical rotor which, at its periphery, bears at least two articulated removable vanes, an inlet orifice and an outlet orifice. The pump, according to the invention, is characterised in that its rotor (2) includes recesses (14) emerging on its periphery and capable of completely housing the vanes (3) and of simultaneously containing a product to be pumped; in that the inlet (5) and outlet (6) orifices, during the intake and delivery phases, emerge in the zone freed by the said recesses and in that the leading edges of the rotor (10) and of the vanes (17, 18) and the trailing edges (11) of the inlet and outlet orifices operate in the manner of shears. <IMAGE>

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F04C 2/44

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Cited by
CN109209879A; CN102748278A; CN109268260A

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EP 0618363 A1 19941005; EP 0618363 B1 19970312; DE 69401970 D1 19970417; DE 69401970 T2 19971120; ES 2101455 T3 19970701; FR 2703408 A1 19941007; FR 2703408 B1 19950519

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