

Title (en)
VANE PUMP

Publication
EP 0264778 B1 19910102 (DE)

Application
EP 87114934 A 19871013

Priority
DE 3635494 A 19861018

Abstract (en)
[origin: EP0264778A2] The vane vacuum pump has a rotor with a single slot in which a rigid vane is directed. The circumference of the housing describes the equidistant to a limaçon. The distance of the equidistant to the limaçon is equal to the radius of curvature of the vane edges. In order to optimise the volumetric delivery, the radius of curvature of the vane edges is smaller than half the vane thickness and the ratio of the housing radius/radius of curvature difference to the eccentricity is essentially equal to 2. <IMAGE>

IPC 1-7
F04C 18/344

IPC 8 full level
F01C 21/08 (2006.01); **F04C 2/344** (2006.01); **F04C 18/344** (2006.01)

CPC (source: EP)
F01C 21/0881 (2013.01); **F04C 18/3441** (2013.01)

Cited by
DE3832042A1; EP0359139A3; EP1479914A1; ITMI20101984A1; DE3813132A1; FR2869958A1; CN107091231A; EP2299055A1; US5316456A; RU2686558C1; US7207782B2; WO2006005384A1; WO03056184A1

Designated contracting state (EPC)
DE FR GB IT

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