

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)  
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