

Title (en)  
ROTARY VANE PUMP

Publication  
**EP 0205036 A3 19871028 (DE)**

Application  
**EP 86107221 A 19860528**

Priority  
• DE 3521186 A 19850613  
• DE 3531963 A 19850907

Abstract (en)  
[origin: EP0205036A2] 1. Vane-cell pump, having pump vanes (5, 6), which can move back and forth radially in the pump housing (1) in a rotor slit (4) and which can move outwards by generation of a radial force, a sliding surface of each vane having a step-shaped projection and the counter-sliding surface in the associated rotor slit having a step-shaped indentation receiving the projection, characterized in that the pump has only one rotor slit (4), in which two vanes (5, 6) slide and are supported one on the other and in that the projection (60) and the indentation (61) are dimensioned such that the radially inwardly facing limiting surface of the projection (60) acts with the radially outwardly facing limiting surface of the indentation (61) as stop (60) limiting the vane movement at the lower dead centre when entering the rotor slit (4).

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**F04C 18/344**; **F04C 2/344**

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)

Citation (search report)  
• [X] FR 1008206 A 19520515  
• [X] US 2919651 A 19600105 - GARDINER DUNCAN B  
• [A] FR 2540571 A1 19840810 - PIERBURG GMBH & CO KG [DE]  
• [A] CH 634385 A5 19830131 - RYFFEL HANS [CH]

Cited by  
ITTO20100590A1; DE4020082A1; FR2649449A1; DE4020082C2; WO2012004762A3

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