

Title (en)  
Rotary vane pump.

Title (de)  
Flügelzellenpumpe.

Title (fr)  
Pompe rotative à palettes.

Publication  
**EP 0674105 A1 19950927 (EN)**

Application  
**EP 95200457 A 19950223**

Priority  
GB 9405471 A 19940319

Abstract (en)  
A rotary vane pump comprising a stator (10) having a cylindrical surface; a rotor (2) which is positioned relative to the stator to define a fluid chamber between the rotor and the stator, the rotor being rotatable about a longitudinal axis (L) and having a number of radially extending slots therein; a vane (11) slidably mounted in each slot and biased towards the fluid chamber and into engagement with the surface of the stator, the vanes reciprocating in their respective slots as the rotor rotates about the stator; a first fluid passage (36) providing fluid at a first pressure from a fluid inlet to the fluid chamber; a second fluid passage taking fluid at a second pressure higher than the first pressure from the fluid chamber to a fluid outlet; and an electrically operated valve (15) positioned adjacent the fluid chamber and fluidly connecting the first and second fluid passages on detection of a predetermined condition. Energy saving design. <IMAGE>

IPC 1-7  
**F04C 15/04**; **F04C 2/34**

IPC 8 full level  
**F04C 2/34** (2006.01); **F04C 2/356** (2006.01); **F04C 14/06** (2006.01)

CPC (source: EP)  
**F04C 14/06** (2013.01); **F04C 2270/054** (2013.01)

Citation (search report)  
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• [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 143 (M - 306)<1580> 4 July 1984 (1984-07-04)

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