

Title (en)  
SLIDING VANE FOR ROTORS OF HYDRAULIC OR ELECTROHYDRAULIC ROTARY DEVICES

Publication  
**EP 0065606 B1 19861001 (FR)**

Application  
**EP 81400817 A 19810522**

Priority  
EP 81400817 A 19810522

Abstract (en)  
[origin: EP0065606A1] 1. Sliding vane for rotors of hydraulic rotary devices susceptible to come into balanced or binding bearing engagement of the vane against an application surface of a stator (3A) by means of a vane application surface (S2) exposed to the pressure of the fluid and a spring (8), of symmetrical shape on each side of a median axis (Z-Z) with on respective sides thereof a curved portion (2) adapted for contact with said application surface (3A) of the stator, not mated completely to this surface of the stator and exposing a curved surface (S1) also exposed to the pressure of the fluid, axially opposed to said vane application surface (S2), characterized in that it is elongate along its median axis (Z-Z) and in that, this curved surface (S1) being formed on either side of the vane, the vane application surface (S2) is formed, also on either side of the vane, on a compensator portion (4) of the vane adapted to remain outside the rotor and substantially parallel to the application surface of the stator, said vane application surface (S2) being at least substantially equal to the curved surface (S1) so that the vane (1) is in balanced or binding bearing engagement with the application surface of the stator.

IPC 1-7  
**F01C 1/344; F01C 21/08**

IPC 8 full level  
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CPC (source: EP)  
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