

Title (en)
VANE PUMP

Title (de)
FLÜGELZELLENPUMPE

Title (fr)
POMPE A PALETTES

Publication
EP 1320681 B1 20041124 (EN)

Application
EP 01975550 A 20010928

Priority
• US 0130427 W 20010928
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Abstract (en)
[origin: WO0227187A2] A vane pump is disclosed for use with gas turbine engines adapted and configured to provide a predicted failure mode similar to that of a traditional fixed displacement pump. The vane pump includes a pump housing, a cam member, a cylindrical rotor member and a mechanism for communicating a high pressure fluid from the discharge arc region to the inlet arc region when the tip surface of each element has experienced a predetermined amount of wear so as to prevent pump startup. The wearing of the tip surface of each vane element resulting from the slideable engagement with the circumferential surface of the pumping cavity.

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IPC 8 full level
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CPC (source: EP)
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DE FR GB

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WO 0227187 A2 20020404; **WO 0227187 A3 20020620**; **WO 0227187 A9 20030530**; DE 60107454 D1 20041230; DE 60107454 T2 20050414; EP 1320681 A2 20030625; EP 1320681 B1 20041124; JP 2004536246 A 20041202

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