

Title (en)
VARIABLE DISPLACEMENT LUBRICANT VANE PUMP

Title (de)
VERSTELLBARE SCHMIERMITTELVERDRÄNGUNGSPUMPE MIT FLÜGELN

Title (fr)
POMPE À AILETTES À CYLINDRÉE VARIABLE POUR LUBRIFIANT

Publication
EP 2926008 B1 20190327 (EN)

Application
EP 13796066 A 20131127

Priority
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• EP 2013074868 W 20131127
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Abstract (en)
[origin: EP2735740A1] A variable displacement lubricant vane pump (10) is provided with a pump rotor (20) rotating around a rotor axis (21) and with a rotor body (24) provided with vane slits (25) wherein shiftable rotor vanes (26) are arranged. A shiftable control ring (30) is provided wherein the slidable vanes (26) are rotating, the control ring (30) being actuated to control the eccentricity of the control ring (30) with respect to the rotor axis (21). A metal pump housing (12) including two parallel sidewalls (16, 17) is provided which axially cover the rotor body (24), the rotor vanes (26) and the control ring (30). The control ring (30; 30') is provided with a control ring body (31; 31') made out of the same plastic material with a thermal expansion coefficient a P of 65% to 150% of the thermal expansion coefficient a M of the housing metal.

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