

Title (en)  
VARIABLE DISPLACEMENT PUMP WITH ELECTRIC CONTROL OF DISPLACEMENT REGULATION AND METHOD OF REGULATING PUMP DISPLACEMENT

Title (de)  
VERDRÄNGERPUMPE MIT ELEKTRISCHER STEUERUNG DER POSITIONSREGELUNG UND VERFAHREN ZUR REGULIERUNG DER PUMPENPOSITION

Title (fr)  
POMPE À CYLINDRÉE VARIABLE À RÉGULATION DE LA CYLINDRÉE PAR COMMANDE ÉLECTRIQUE ET PROCÉDÉ DE RÉGULATION DE LA CYLINDRÉE D'UNE POMPE

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Application  
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Abstract (en)  
[origin: WO2015036913A2] A rotary positive displacement pump for fluids, in particular for the lubrication oil of a motor vehicle engine (61), has a displacement that can be regulated through the rotation of a stator ring (42) having an eccentric cavity (43) in which the rotor (15) of the pump (1) rotates. The stator ring (42) is housed within an eccentric cavity (13) of an external ring (12). A rotary actuator (50), controlled by the electronic control unit of the motor vehicle, causes a synchronous rotation by an equal amount in opposite directions of both rings. The invention also concerns a method of regulating the displacement of the pump (1) and lubrication system for a motor vehicle engine in which the pump is used.

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