

Title (en)  
COOLANT PUMP WITH HYDRAULICALLY ACTUATED SHUTTER, WITH INTEGRATED AUXILIARY PUMP AND ELECTROMAGNETIC VALVE FOR THE PROVISION AND REGULATION OF THE CONTROL PRESSURE

Title (de)  
KÜHLMITTELPUMPE MIT HYDRAULISCH VERSTELLBAREM VENTILSCHIEBER, MIT INTEGRIERTER SEKUNDÄRPUMPE UND ELEKTROMAGNETISCHEM VENTIL ZUR ERZEUGUNG UND STEUERUNG DES REGELDRUCKS

Title (fr)  
POMPE DE LIQUIDE DE REFROIDISSEMENT AVEC OBTURATEUR ACTIONNÉ HYDRAULIQUEMENT, AVEC POMPE AUXILIAIRE INTÉGRÉE ET VANNE ÉLECTROMAGNÉTIQUE POUR LA GÉNÉRATION ET LA RÉGULATION DE LA PRESSION DU FLUIDE DE CONTRÔLE

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Application  
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Abstract (en)  
[origin: WO2015062752A1] The invention relates to a coolant pump for use in the automotive field for delivering a coolant volumetric flow with a housing (4), in which a pump shaft (10) is rotatably mounted with a rotor (18) which is arranged fixedly thereon so as to rotate with it, wherein a regulating device (22) for regulating the volumetric flow is provided, which regulating device (22) has a slide element (24) which can be displaced into an outflow region (16) of the rotor (18) and can be driven via a hydraulic control device (26), wherein the hydraulic control device (26) has a radial piston pump (28), an actuating device (30), a control duct arrangement (32) and at least one piston device (34) which can be connected fluidically to one another in such a way that the slide element (24) can be actuated by way of the piston device (34), wherein the actuating device (30) has a valve arrangement which is operatively connected to the control duct arrangement (32), consisting of an electromagnetic valve (26) and at least one check valve (48, 50, 52).

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