Title (en)

METHOD FOR DETERMINING THE FLOW RATE OR THE ACTUATION FREQUENCY OF A FLUID PUMP, PARTICULARLY IN AN ELECTRONIC MOTOR VEHICLE BRAKE SYSTEM

Title (de)

VERFAHREN ZUR BESTIMMUNG DER FÖRDERLEISTUNG ODER DER BETÄTIGUNGSHÄUFIGKEIT EINER FLUIDPUMPE, INSBESONDERE IN EINEM ELEKTRONISCHEN KRAFTFAHRZEUGBREMSSYSTEM

Title (fr)

PROCÉDÉ POUR DÉTERMINER LA CAPACITÉ DE REFOULEMENT OU LA FRÉQUENCE D'ACTIONNEMENT D'UNE POMPE, NOTAMMENT DANS UN SYSTÈME DE FREINAGE ÉLECTRONIQUE DE VÉHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2009010320A1] The invention relates to a method for determining the flow rate or the actuation frequency of a fluid pump (1,1'), particularly a hydraulic pump, in an electronic pressure control unit (6), wherein the same comprises a pump rate adjusting means for adjusting the flow rate of the hydraulic pump (1), in addition to a pressure cycle controller actuated via an analogized valve actuator, wherein the movement frequency of the mechanical pump station is determined via pressure fluctuations of the pumped fluid, wherein the fluctuations are ascertained based on changes of the magnetic flow in the region of the actuation magnetic field of an electromagnetically actuated fluid valve (2, 2'). The invention further relates to the use of the above-described method in motor vehicle brake control systems.

IPC 8 full level

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