

Title (en)

FLUIDIC GEAR MACHINE WITH FLOW RATE REGULATION

Title (de)

ZAHNRADMASCHINE FÜR FLUIDE MIT VOLUMENSTROMREGELUNG

Title (fr)

MACHINE À FLUIDE À ENGRENAGE À RÉGULATION DE DÉBIT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011158167A2] An internal gear fluidic machine (1), in particular a pump for the lubrication circuit of a motor vehicle engine, comprises a member (13) for regulating the flow rate depending on the fluid pressure conditions in a fluidic circuit in which the machine (1) is connected. The regulating member (13) is axially slidable, without rotating, in a seat (12) formed in the body (10) of the machine (1) and has a first surface (18) for pressure application, which is permanently exposed to said pressure conditions and is arranged, when a threshold is exceeded, to cause a sliding of the regulating member (13) in order to create a fluid recirculation path through the machine (1). A method of regulating the flow rate of a fluidic machine and a combined pump (1, 100) for the automotive field, using the machine (1) as a pump for the lubrication circuit, are also provided.

IPC 8 full level

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