

Title (en)
ROTARY DISPLACEMENT MACHINE WITH AT LEAST TWO DISPLACEMENT GEARWHEELS WITH EXTERNAL TEETH AND A HOUSING FOR SUCH A MACHINE

Title (de)
UMLAUFVERDRÄNGERMASCHINE MIT WENIGSTENS 2 AUSSENVERZAHNTEN FÖRDERZAHNRÄDERN

Title (fr)
MACHINE DE REFOULEMENT ROTATIVE COMPORTANT AU MOINS DEUX ROUES DENTÉES DE REFOULEMENT A DENTURE EXTERIEURE, ET CARTER POUR UNE TELLE MACHINE

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Application
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Abstract (en)
[origin: US6705847B1] A rotary displacement machine has a housing and at least two annular displacement gears arranged in the housing and supported rotatably on a stationary axle, receptively. The at least two annular displacement gears have external teeth for conveying a fluid. At least two supply channels are provided in the housing and have a supply mouth, respectively, opening toward the annular displacement gears for supplying a fluid to the annular displacement gears. The supply mouth is configured such that, upon operation of the rotary, displacement machine, a fluid exiting from the supply mouth reaches either only the teeth of a single one of the annular displacement gears or only the teeth of the annular displacement gears rotating in the same direction.

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