

Title (en)

INTERNAL GEAR FLUID MACHINE AND METHOD FOR PRODUCING AN INTERNAL GEAR FLUID MACHINE

Title (de)

INNENZAHNRADFLUIDMASCHINE SOWIE VERFAHREN ZUM HERSTELLEN EINER INNENZAHNRADFLUIDMASCHINE

Title (fr)

MACHINE À FLUIDE À ENGRENAGES INTÉRIEURS ET PROCÉDÉ DE FABRICATION D'UNE MACHINE À FLUIDE À ENGRENAGES INTÉRIEURS

Publication

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Application

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Abstract (en)

[origin: WO2022207561A1] The invention relates to an internal gear fluid machine comprising a first gearwheel, which has an external toothing system and is rotatably mounted about a first axis of rotation, and a second gearwheel, which has an internal toothing system meshing in some regions with the external toothing system in an engagement region and which is rotatably mounted about a second axis of rotation which is different from the first axis of rotation, wherein a filler piece is arranged between the first gearwheel and the second gearwheel away from the engagement region, wherein said filler piece bears on one side against the external toothing system and on the other side against the internal toothing system in order to divide a fluid space located between the first gearwheel and the second gearwheel into a first fluid chamber and a second fluid chamber, and wherein housing walls of a machine housing of the internal gear fluid machine are arranged on both sides of the first gearwheel and the second gearwheel in the axial direction with regard to the first axis of rotation, and the filler piece is mounted on the machine housing by means of at least one holding pin which acts on at least one of the housing walls. It is provided here that the holding pin is mounted rotatably on the housing wall via at least one intermediate piece, wherein the housing wall consists of a housing wall material and the intermediate piece consists of an intermediate piece material which is different from the housing wall material. The invention further relates to a method for producing an internal gear fluid machine.

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