

Title (en)
GEARED FLUID MACHINE

Title (de)
ZAHNRADFLUIDMASCHINE

Title (fr)
MACHINE HYDRAULIQUE À ROUE DENTÉE

Publication
EP 3276127 B1 20201223 (DE)

Application
EP 17182228 A 20170719

Priority
DE 102016213696 A 20160726

Abstract (en)
[origin: US2018030982A1] A geared fluid machine has a machine housing and first and second intermeshing gearwheels that are rotatably mounted in the machine housing with respect to an axis of rotation and are arranged at least partially contacting by their end faces. At least one axial washer is arranged in the machine housing with axial play and has on a distal side a pressure field surrounded by a circumferential seal. The seal contacts and seals against a first bearing surface of the axial washer, and also contacts and seals against a second bearing surface of the machine housing. The seal is at least partially U-shaped in section and has a first seal limb contacting the first bearing surface, a second seal limb contacting the second bearing surface, and a connecting limb connecting the first and second seal limbs.

IPC 8 full level
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CPC (source: CN EP US)
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