

Title (en)
HYDRAULIC TURBOMACHINE

Title (de)
HYDRAULISCHE STRÖMUNGSMASCHINE

Title (fr)
TURBOMACHINE HYDRAULIQUE

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Abstract (en)
[origin: WO0206666A1] The invention relates to a hydraulic turbomachine which is used to convert energy. The aim of the invention is to provide a hydraulic turbomachine which exclusively uses the flow output, affected by atmospheric pressure (pL), of a water column which rises towards a rotor disk (3) in a suction chamber (1), making it available to a consumer in the form of end energy (EN). The inventive hydraulic turbomachine is provided with an annular water circuit flowing in a radial direction with respect to the axis of a generator (6). Said circuit comprises a conducting chamber (7) and is coaxially arranged inside a tub-shaped flow chamber (8) around the axis of the generator (6) in a container (9). The rotor disk (3) rotates horizontally in relation to the axis and the energy difference between supplied and discharged energy on the rotor disk (3) corresponds to the sum of the energy provided by the atmospheric pressure (pL) and the energy provided by the drive motor (Em). The generator (6) is used to make the energy provided by the drive motor (5) available once again.

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