

Title (en)

DEVICE FOR CONVERTING FLOW ENERGY TRANSPORTED VIA A MEDIUM INTO MECHANICAL AND/OR ELECTRICAL ENERGY

Title (de)

EINRICHTUNG ZUR WANDLUNG VON DURCH EIN MEDIUM TRANSPORTIERTER STRÖMUNGSENERGIE IN MECHANISCHE UND / ODER ELEKTRISCHE ENERGIE

Title (fr)

DISPOSITIF DE CONVERSION D'ÉNERGIE D'ÉCOULEMENT TRANSPORTÉE PAR L'INTERMÉDIAIRE D'UN MILIEU EN ÉNERGIE MÉCANIQUE ET/OU ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2023066511A1] The invention relates to a device (1) for converting flow energy transported via a medium into mechanical and/or electrical energy, comprising a housing (112) having a turbine wheel (80) and a device for generating additional negative pressure (50) arranged downstream of same in the flow direction, which has an inner in-flow channel (41) and channels (48), which receive the medium, wherein same is pressed outwards with the rotation of the rotatable parts of the device for generating additional negative pressure (50), wherein the device for generating additional negative pressure (50) has a non-rotatable shaped disc (51c), which has at least one further through-opening (51, 51h, 51i, 51d -51g), which is suitable for either accelerating or braking the rotatable parts of the device for generating additional negative pressure (50).

IPC 8 full level

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