

Title (en)
VARIABLE-VOLUME TURBINE AND THERMO MECHANICAL ENERGY CONVERSION SYSTEM INCORPORATING SAME

Title (de)
TURBINE MIT VARIABLEM VOLUMEN UND THERMO-MECHANISCHES ENERGIEUMWANDLUNGSSYSTEM DAMIT

Title (fr)
TURBINE A VOLUME VARIABLE ET SYSTEME DE CONVERSION D'ENERGIE THERMOMECHANIQUE L'INCORPORANT

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Application
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Abstract (en)
[origin: WO2018065686A1] The turbine according to the invention comprises a fixed volute (7F) and a mobile volute (7M) having spiraloid walls imbricated in one another, the mobile volute being able to achieve an orbital rotary movement relative to a central axis (AA) of the fixed volute, and a fluid chamber (7V) formed by a volume available between the spiroidal walls of the fixed and mobile volutes. According to the invention, the turbine comprises a thermostatically actuated volume variator (72) able to modify a working volume of the fluid chamber by axially moving (d) a chamber-volume-reducing heated sole (720) which is housed between the spiroidal walls of the fixed and mobile volutes.

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