

Title (en)

METHOD AND DEVICE FOR SUPPLYING A MEASUREMENT ELECTRONICS SYSTEM WITH ELECTRICAL ENERGY

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SPEISEN EINER MESSELEKTRONIK MIT ELEKTRISCHER ENERGIE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR ALIMENTER UNE ÉLECTRONIQUE DE MESURE EN ÉNERGIE ÉLECTRIQUE

Publication

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Application

EP 12737709 A 20120619

Priority

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Abstract (en)

[origin: WO2013189505A1] The invention relates to a method and a device for supplying a measurement electronics system (3) in a fitting (2), through which a fluid flows, with electrical energy, which is generated in a turbine (7) by the fluid flowing through the fitting (2), wherein the flow quantities and pressures vary within wide boundaries, typically 1:1000, wherein a pressure control device (5) associated with the turbine (7) controls the pressure of the fluid striking the turbine (7) in such a manner that the electrical energy required for operating the measurement electronics system (3) is generated with a small flow quantity, the pressure loss incurred by the fluid while flowing through the fitting (2) being limited to a maximum value.

IPC 8 full level

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