

Title (en)

MINIATURIZED ENERGY GENERATION SYSTEM

Title (de)

MINIATURISIERTES ENERGIEERZEUGUNGSSYSTEM

Title (fr)

SYSTÈME DE PRODUCTION D'ÉNERGIE MINIATURISÉ

Publication

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Application

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Abstract (en)

[origin: WO2011069851A1] The invention relates to an autonomous energy generation system, in particular designed as an integrated miniaturized energy generation system based on MEMS technology, comprising a piezoelectric energy converter for converting mechanical energy into electrical energy, having at least one piezoelectric element into which mechanical force (in particular deformation force) induced by a fluid flow can be coupled, such that the piezoelectric element is excited to vibrate mechanically, and wherein an integrated circuit (ASIC) is used for managing the energy provided by the piezoelectric energy converter.

IPC 8 full level

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