

Title (en)

GENERATOR FOR CONVERTING MECHANICAL ENERGY INTO ELECTRICAL ENERGY

Title (de)

GENERATOR ZUM WANDELN VON MECHANISCHER ENERGIE IN ELEKTRISCHE ENERGIE

Title (fr)

GÉNÉRATEUR POUR CONVERTIR DE L'ÉNERGIE MÉCANIQUE EN ÉNERGIE ÉLECTRIQUE

Publication

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Application

**EP 10778857 A 20101027**

Priority

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Abstract (en)

[origin: WO2011072769A1] The invention relates to a generator for generating electrical energy. Said generator comprises a first interdigital electrode arrangement (10) having two interleaved electrode combs (11, 12). A second interdigital electrode arrangement (20) likewise comprises two interleaved electrode combs (11, 12). An electroactive polymer (1) is provided between the electrode combs of the first interdigital electrode arrangement (10) and between the electrode combs (11, 12) of the second interdigital electrode arrangement (20) and between the first interdigital electrode arrangement (10) and the second interdigital electrode arrangement (20). A first control circuit is provided for switching the electrode combs (11, 12) of the first interdigital electrode arrangement (10) either to different potentials or to the same potential.

IPC 8 full level

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