

Title (en)

Electric supply voltage system for converting kinetic energy into electric energy for the purpose of miniature devices

Title (de)

In Miniatur-Geräten verwendbare Stromversorgungsvorrichtung zur Umformung von kinetischer Energie in elektrische Energie

Title (fr)

Appareil d'alimentation de puissance pour la conversion d'énergie mécanique en énergie électrique utilisable dans des dispositifs miniatures

Publication

EP 1239349 A1 20020911 (EN)

Application

EP 02075963 A 20020308

Priority

NL 1017551 A 20010309

Abstract (en)

The electric supply voltage system is provided with an alternating current generator, an electrically chargeable accumulator, and a direct current generator. The alternating current generator is provided with a rotor with permanently magnetized poles and a stator which is provided with at least one electric winding for generating an alternating current when the rotor moves relative to the stator. The system further comprises an eccentric oscillatory weight for driving the rotor. The system is further provided with an accelerating transmission included between the oscillatory weight and the rotor, which accelerating transmission is provided with a resilient coupling, such that the oscillatory weight can move in advance of the rotor while the rotor can reside in one of the rest conditions. The accelerating transmission is provided with a first transmission which is included between the oscillatory weight and a point of application of the resilient coupling, and a second transmission which is included between a second point of application of the resilient coupling and the rotor. <IMAGE>

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G04C 10/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] EP 0681228 A1 19951108 - EBAUCHESFABRIK ETA AG [CH]
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- [E] EP 1085383 A1 20010321 - EBAUCHESFABRIK ETA AG [CH]

Cited by

WO2017028815A1; WO2012135887A3; EP3598245A1; US11703810B2; EP3944027A1

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