

Title (en)
APPARATUS FOR HARVESTING ELECTRICAL POWER FROM MECHANICAL ENERGY

Title (de)
VORRICHTUNG ZUR GEWINNUNG ELEKTRISCHER ENERGIE AUS MECHANISCHER ENERGIE

Title (fr)
APPAREIL POUR RECUEILLIR DE L'ÉLECTRICITÉ À PARTIR D'ÉNERGIE MÉCANIQUE

Publication
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Application
EP 11777892 A 20110426

Priority

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Abstract (en)
[origin: WO2011139655A1] An apparatus for harvesting electrical power from mechanical energy is described. The apparatus includes: a flux path. The flux path includes: a magnetic material having a magnetic property that is a function of stress on the magnetic material; a first magnetically conductive material proximate the magnetic material; a magnet in the flux path, wherein a magnetomotive force of the magnet causes magnetic flux; and a component configured to transfer changes in load caused by an external source to the magnetic material.

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CPC (source: EP)
H02K 99/10 (2016.10); **H10N 35/101** (2023.02)

Citation (search report)

- [IY] US 3681982 A 19720808 - HIRATSUKA MICHIO, et al
- [Y] WO 2004015790 A1 20040219 - MECEL AKTIEBOLAG [SE], et al
- [A] WO 2008049124 A2 20080424 - UNIV BOISE STATE [US], et al
- See references of WO 2011139655A1

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