Title (en)

QUANTUM VACUUM ENERGY EXTRACTION

Title (de)

QUANTENVAKUUMENERGIEEXTRAKTION

Title (fr)

EXTRACTION D'ÉNERGIE SOUS VIDE QUANTIQUE

Publication

EP 2070183 A4 20141029 (EN)

Application

EP 06815242 A 20060922

Priority

US 2006037096 W 20060922

Abstract (en)

[origin: WO2008039176A2] A system is disclosed for converting energy from the electromagnetic quantum vacuum available at any point in the universe to usable energy in the form of heat, electricity, mechanical energy or other forms of power. By suppressing electromagnetic quantum vacuum energy at appropriate frequencies a change may be effected in the electron energy levels which will result in the emission or release of energy. Mode suppression of electromagnetic quantum vacuum radiation is known to take place in Casimir cavities. A Casimir cavity refers to any region in which electromagnetic modes are suppressed or restricted. When atoms enter into suitable micro Casimir cavities a decrease in the orbital energies of electrons in atoms will thus occur. Such energy will be captured in the claimed devices. Upon emergence form such micro Casimir cavities the atoms will be re-energized by the ambient electromagnetic quantum vacuum. In this way energy is extracted locally and replenished globally from and by the electromagnetic quantum vacuum. This process may be repeated an unlimited number of times. This process is also consistent with the conservation of energy in that all usable energy does come at the expense of the energy content of the electromagnetic quantum vacuum. Similar effects may be produced by acting upon molecular bonds. Devices are described in which gas is recycled through a multiplicity of Casimir cavities. The disclosed devices are scalable in size and energy output for applications ranging from replacements for small batteries to power plant sized generators of electricity.

IPC 8 full level

H02M 1/00 (2007.01); **H02N 11/00** (2006.01)

CPC (source: EP)

H02N 11/008 (2013.01)

Citation (search report)

- [T] OLGA DMITRIYEVA ET AL: "Test of Zero-point Energy Emission from Gases Flowing Through Casimir Cavities", PHYSICS PROCEDIA, vol. 38, 1 March 2012 (2012-03-01), pages 8 - 17, XP028514995, ISSN: 1875-3892, [retrieved on 20121108], DOI: 10.1016/J.PHPRO.2012.08.007
- [T] G. JORDAN MACLAY: "Unusual properties of conductive rectangular cavities in the zero point electromagnetic field: Resolving forward's Casimir energy extraction cycle paradox", AIP CONFERENCE PROCEEDINGS, 1 January 1999 (1999-01-01), pages 968 - 973, XP055141111, DOI: 10.1063/1.57676
- See references of WO 2008039176A2

Designated contracting state (EPC)

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