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(54) Title: ELECTRICITY EFFICIENCY IMPROVING APPARATUS

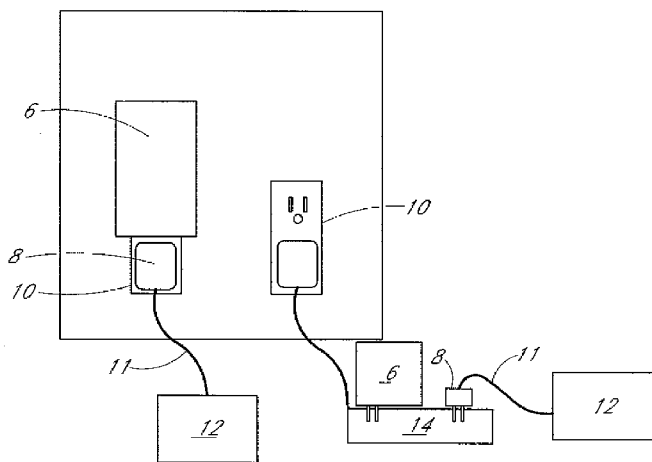


FIG. 1

(57) Abstract: A system and method for improving the electrical efficiency of an electrical load are provided. In an embodiment, a device is coupled to a load and its power source via an electrical conductor. The device optimizes the power delivered from the power source to the load by compensating or removing distortions in the matter wave of the electrical energy delivered from the power source. In some embodiments, the device employs infrared radiating materials that surround selected areas of the conductor. The infrared radiation may be of a wavelength and frequency that help restore the matter waves of the electrical energy and increase power factor of the load. Additionally, the device can be configured to modify the matter wave properties of the conductor itself to minimize its effects. For example, the infrared radiation emitted from the device may provide destructively interference energy that reduces vibrations of atoms inside the conductor.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models
Japanese utility models and applications for utility models
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PAJ, FPD, USPAT, eKIPASS "Keyword: infrared radiation, energy, electricity, wavelength, improve, compensate, correct"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2007-123280 A1 (KWON, YOUNG-DAE) 01 November 2007 See the abstract; figure 10.	1-20
A	WO 2008-014385 A2 (JACKSON, GERALD, PETER) 31 January 2008 See the abstract; figure 1.	1-20
A	WO 2000-48231 A2 (JX CRYSTALS INC. et al.) 17 August 2000 See the abstract; figure 7.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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