

Title (en)

ATMOSPHERIC ENERGY TAPPING DEVICE FOR GENERATION' OF MECHANICAL AND ELECTRICAL ENERGY

Title (de)

VORRICHTUNG ZUM ABZWEIGEN VON ATMOSPHERÄRENERGIE AUS MECHANISCHER UND ELEKTRISCHER ENERGIE

Title (fr)

DISPOSITIF DE CAPTAGE D'ÉNERGIE ATMOSPHÉRIQUE SERVANT À PRODUIRE DE L'ÉNERGIE MÉCANIQUE ET ÉLECTRIQUE

Publication

**EP 2769095 A1 20140827 (EN)**

Application

**EP 12806707 A 20121015**

Priority

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- IN 2012000684 W 20121015

Abstract (en)

[origin: WO2013057742A1] Atmospheric energy tapping device for generation of mechanical and electrical energy comprising of a compressor for supplying hot compressed air/gas into a heat engine coupled to a generator for power generation, wherein said heat engine is provided in connection with a turbine. The gas is for ex: Nitrogen, Helium, Carbondioxide, Methane etc. However, the heat engines can be replaced with a single heat engine having high temperature source on one side and a low temperate sink on the other side. This provision enhances efficiency of conversion of heat into mechanical energy substantially. Again, the compressor and turbine can be mounted on the same shaft leading to overall improvement in efficiency. The device of the instant invention is highly useful as a means of power generation. It can be used for automobiles or stationary gen-sets and even large scale power plants. Its applications are limitless, as the energy conversion can be in the form of mechanical or electrical energy and thus can be applied wherever any of the two energies is required.

IPC 8 full level

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