CLAIMS

1. A muonic electromagnetic generator to be used for the generation of electrical energy, in which the generator is connectable to at least one source of electrical energy (1;2) with a power less than the power generated by said generator, **characterized in that** said generator comprises:
a) at least one outer electric coil (7);
b) at least one inner electric coil (13), situated substantially inside the outer electric coil (7);
c) an oscillator (4);
said oscillator (4) being tuned to the frequency at which the energy created by the decay of muons can be captured, and said oscillator (4) being connected between said source of electric energy (1; 2) and said outer electric coil (7).

2. Generator in accordance with claim 1, **characterized in that** a spark-gap (6) is connected in series with said oscillator (4), between said outer electric coil (7) and said oscillator (4).

3. Generator in accordance with claim 1, **characterized in that** a core or support of a non-conductive material is inserted inside the inner electric coil (13).

4. Generator in accordance with claim 1, **characterized in that**, the wavelength λ_E that corresponds to said frequency is around $5,88324456243 \times 10^{-23}$ m.

5. Generator in accordance with claim 4, **characterized in that** said wavelength is obtained with precision by way of a chip or integrated circuit PIC (Programmable Integrated Circuit), which is programmed to oscillate with exactly this wavelength and is inserted into the oscillator (4).

6. Generator in accordance with any of the preceding claims **characterized in that** electrical energy with a power greater than the power of the source of electrical energy (1; 2) is generated in the inner electrical coil and conducted to feed any external load.

7. Generator in accordance with claim 6, **characterized in that** said external load is fed by way of an inverter (15) with three-phase charge, usually after having been transformed to the voltage of use.

8. Generator in accordance with any of the previous claims **characterized in that** an inductive filter (5) is inserted between the source of electric energy (1) and the oscillator (4) in order to protect the oscillator.

9. Generator in accordance with any of the previous claims, **characterized in that**, when a source of electrical energy (2) is direct current, an inverter (3), that transforms the direct current into alternating current, is introduced between the said source (2) and the oscillator (4).

10. Process to generate electrical energy using an energy generator that is connectable to at least one source of electric power (1; 2) with a power less than the power generated by the process, **characterized in that** said process comprises:

a) to provide at least one outer electric coil (7)

b) to provide at least one inner electric coil (13), situated substantially inside the said outer electric coil (7);

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c) to provide an oscillator (4) that is connected between the said source of electrical energy (1; 2) and the said outer electric coil (7);

d) to tune the oscillator to oscillate at the frequency of wave function to capture the energy created by the decay of muons, which are attracted to the magnetic field generated by the outer electric coil (7);

e) to direct the muonic electrons absorbed by the inner electric coil (13) to any load.

11. The process in accordance with claim 10, **characterized in that** a spark-gap (6) is inserted between the oscillator (4) and the outer electric coil (7).

12. The process in accordance with claim 10, **characterized in that** the oscillator (4) is tuned to the frequency at which the energy can be captured which is created by the decay of muons, the wavelength λ_E that corresponds to said frequency being around $5,88324456243 \times 10^{-23}$ m.

CLAIMS

1. A muonic electromagnetic generator to be used for the generation of electrical energy, in which the generator is connectable to at least one source of electrical energy (1;2) with a power less than the power generated by said generator, **characterized in that** said generator comprises:
a) at least one outer electric coil (7);
b) at least one inner electric coil (13), situated substantially inside the outer electric coil (7);
c) an oscillator (4);
said oscillator (4) being tuned to the frequency at which the energy created by the decay of muons can be captured, the wavelength λ_B that corresponds to said frequency being around $5,88324456243 \times 10^{-23}$ m; and said oscillator (4) being connected between said source of electric energy (1; 2) and said outer electric coil (7).

2. Generator in accordance with claim 1, **characterized in that** a spark-gap (6) is connected in series with said oscillator (4), between said outer electric coil (7) and said oscillator (4).

3. Generator in accordance with claim 1, **characterized in that** a core or support of a non-conductive material is inserted inside the inner electric coil (13).

4. Generator in accordance with claim 3, **characterized in that** said wavelength is obtained with precision by way of a chip or integrated circuit PIC (Programmable Integrated Circuit), which is programmed to oscillate with exactly this wavelength and is inserted into the oscillator (4).

5. Generator in accordance with any of the preceding claims **characterized in that** electrical energy with a power greater than the power of the source of electrical energy (1; 2) is generated in the inner electrical coil and conducted to feed any external load.

6. Generator in accordance with claim 5, **characterized in that** said external load is fed by way of an inverter (15) with three-phase charge, usually after having been transformed to the voltage of use.

7. Generator in accordance with any of the previous claims **characterized in that** an inductive filter (5) is inserted between the source of electric energy (1) and the oscillator (4) in order to protect the oscillator.

8. Generator in accordance with any of the previous claims, **characterized in that**, when a source of electrical energy (2) is direct current, an inverter (3), that transforms the direct current into alternating current, is introduced between the said source (2) and the oscillator (4).

9. Process to generate electrical energy using an energy generator that is connectable to at least one source of electric power (1; 2) with a power less than the power generated by the process, **characterized in that** said process comprises:
a) to provide at least one outer electric coil (7)
b) to provide at least one inner electric coil (13), situated substantially inside the said outer electric coil (7);

c) to provide an oscillator (4) that is connected between the said source of electrical energy (1; 2) and the said outer electric coil (7);
d) to tune the oscillator to oscillate at the frequency of wave function to capture the energy created by the decay of muons, which are attracted to the magnetic field generated by the outer electric coil (7); the wavelength λ_B that corresponds to said frequency being around 5,88324456243 x 10^{-23} m;
e) to direct the muonic electrons absorbed by the inner electric coil (13) to any load.

10. The process in accordance with claim 9, **characterized in that** a spark-gap (6) is inserted between the oscillator (4) and the outer electric coil (7).