

## **New Technology Produces Environmentally Friendly Electricity Using Nitrogen (A037)**

*New technology produces environmentally friendly electricity using nitrogen*

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The recently patented turbine FeMRaDD can cleanly generate an electrical output of up to several megawatts for systems driven with rotating axes. FeMRaDD is a turbine of variable size that consists of several rotary-dynamic systems that interact with each other. This turbine also produces, thanks to its rotary-dynamic, energy for all systems that use rotating axes, such as those in the aerospace, automotive, railway or the shipbuilding industries. It is used especially in the axial power transmission using various components like the drive shaft or the shaft drive.

Newton's three laws establish the basis for understanding the dynamics of rotating motion. The first Newton's law illustrates the operation of the FeMRaDD. It states that a body is basically in a uniform rotary motion tends to stay in this one.

The FeMRaDD generates dynamic rotating power, adiabatic, isothermic, isobaric, and isochoric, in continuous or discontinuous situations. The turbines are installed in specially equipped cylinder and driven by an acceleration force which is generated by a fixed amount of nitrogen. The projection of nitrogen into the interior of the cylinder causes the immediate start of FeMRaDD. The continuous circulation of nitrogen in the Zylinderinneren requires an immediate run-off by the visible and hidden elements in the direction of flow of another component, the recycling reservoir FDD / R. The reservoir appears in the form of tubes. These are filled with nitrogen and equipped with various measuring instruments and security. At startup, the reservoir is extremely accurate, and under precisely defined pressure on the nitrogen injection nozzles positioned exactly at least 31 in the interior of the cylinder. In the turbine rotates inside the cylinder with an absolute velocity  $V$ , the speed per minute depending on the type of application varies. The viewing area at FDD allows the verification of the turbine and other components inside the cylinder.

The application of FeMRaDD in the automobile sector, for example, allows a preset measuring of maximum required speed. This depends on the permissible axle load and speed of the vehicle concerned. With a continuous supply of nitrogen, the turbine can produce enough energy to power the vehicle for several thousand kilometers.

FeMRaDD's technology was developed by Eric Ghasnavi, private researcher in applied physics and founder of the company Heat. He explains the technology further: "The device works without water or fuel oil, gasoline, kerosene, hydrogen, wind power, compressed air, solar, nuclear, or magnetic force. By using different instruments, this rotational force is regulated and the FeMRaDD is connected to a generator to produce electricity. The measured electrical performance naturally depends on the generator."

The device requires no external power supply. Due to its continuous rotation, FeMRaDD can replace engines of all types of vehicles and boats. Ghasnavi is testing the technology currently on a Mercedes 350 S. In addition, a test run of 200 turbines is being developed in Germany for 18, 40, 100 and 280 kilowatt versions. The production is slated to begin on April 15, 2011.

Specifications for the 18-kilowatt unit:

- Approximate space requirements: 95 x 70 x 55 centimeters (37 x 27 x 22 inches)
- Weight: 110 kilograms (243 pounds)
- Noise output: less than 50 decibels
- Price: \$14,000 USD

High-resolution images are available on request.

For more information, please contact:

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