

## **THE INNOVATIVE PROJECT**

**2021**

### **THERMONUCLEAR REACTOR of EUGENE GRIGOR'EV. RESEARCH OF THE TRAP FOR CONTINUOUS MAGNETIC DEDUCTION OF HIGH-TEMPERATURE (THERMONUCLEAR) PLASMA.**

The author of the project: Eugene Aleksandrovich Grigor'ev

The individual businessman

Formation: Leningrad electrotechnical institute,

Chair [elektronno-ionic and vacuum technology](#)

The mailing address: St Krasnogo Flota, 5-20, g. Lomonosov, St.-Petersburg, 198412

E-mail: [eugene-53@mail.ru](mailto:eugene-53@mail.ru) WWW: <http://thermonuclear.narod.ru> or <http://thermonuclear.ru>

#### **INTRODUCTION AND THE REVIEW.**

Well-known problem of providing humanity with energy. One of the main expectations associated with the development of energy, controlled thermonuclear fusion. Scientists over the last fifty years trying to solve this problem. It is obvious that under the existing application of physical laws, the problem cannot be solved. The development of the theory, calculations and experiments showed a new, promising direction of solving the problem.

World electricity production in the world in 2016 amounted to 25 000 TWh.

At an average cost of \$ 0.08 / kWh this is \$ 2 trillion.

World production of thermal energy is not taken into account, but this is a very large amount.

The cost of the international fusion project ITER – 19-billion-EURO (2016)

The cost of heat and electricity will only increase (depreciation of power plants and the increasing costs of exploration and extraction of traditional energy sources).

#### **THE TECHNOLOGY DESCRIPTION**

It is calculated and for the first time in the world the magnetic field necessary for continuous magnetic deduction of high-temperature (thermonuclear) plasma is experimentally created.

#### **WORKING OUT STAGE**

Possibility of creation of a constant magnetic field, as by means of a separate element of the closed electric chain of a direct current is shown. Earlier it was considered as the impossible. Mathematical modelling and the experiments which have confirmed correctness logicians and conclusions from it are spent. There are responses of experts. The device which is carrying out a way of creation of a constant magnetic field of type «a magnetic cocoon» is made.

#### **INTELLECTUAL PROPERTY PROTECTION**

On May, 05th, 1999 the [demand](#) for the invention is submitted

On May, 04th, 2000 the [international](#) demand for the invention is submitted

There is a know-how

#### **APPOINTMENT AND TECHNOLOGY SCOPE.**

On the basis of the invention can be created standalone, powerful, compact, environmentally friendly, structurally simple and cheap fusion reactor – a source of cheap and high-quality heat for the Stirling engines for various purposes, including for personal, portable power supply.

#### **COMPETITIVE ADVANTAGES OF THE PROJECT**

Heat and electric power cost price will decrease, a minimum in 5 times, in comparison with the cheapest existing, well-known energy sources (water is burnt).

The planned cost price of the power unit at mass release - \$3500 - \$10000 (depending on appointment)

### PROJECT TERM

The first stage, creation and research of a pre-production model of a magnetic trap - 1 year

The second stage, working out of technology of the thermonuclear reactor – 2 years

The third stage, exit on designed capacity and product advancement on the market - 1 year

**The short offer under the project “Research of a magnetic trap for plasma”.**

Participation of employees: 226 people/months

Duration of the project - 12 months.

The general budget cost of the project: € 2518350

1. The project head – 1	12 months (260 days of 5000€/day)	€1300000
(The salary for 18 years [1986-2004] of work)		
2. The manager of the project – 1,	12 months (260 days of 230€/day)	€59800
3. The electrical engineer – 1,	12 months (260 days of 200€/day)	€52000
4. The engineer the designer – 1,	12 months (260 days of 200€/day)	€52000
5. The physicist-researcher – 1,	12 months (260 days of 200€/day)	€52000
6. The programmer – 1,	4 months (80 days of 150€/day)	€12000
7. The metrologist – 1,	3 months (last quarter) (60 days of 120€/day)	€7200
8. The chief accountant – 1,	12 months (260 days of 170€/day)	€44200
9. The bookkeeper-cashier – 1,	12 months (260 days of 120€/day)	€31200
10. The economist – 1,	12 months (260 days of 200€/day)	€52000
11. The mechanic – 1,	9 months (180 days of 110€/day)	€19800
12. The electroassembler – 2,	9 months (180 days of 120€/day)	€21600
13. The driver – 2,	12 months (260 days of 100€/day)	€52000
14. The courier-forwarding agent – 1,	12 months (260 days of 90€/day)	€23400
15. The licensed security guard – 5,	12 months (365 days of 90€/day)	€164000
16. The cleaner – 1,	12 months (260 days of 35€/day)	€9100

The salary TOTAL: €1952300 (488075€/quarter)

### The estimate of expenses.

The item of expenses	The sum €
The salary	1952300
Services of the foreign organisations (manufacturing of knots of experimental installation)	15000
The equipment (tools, measuring devices)	8000
Equipment amortisation	1050
Materials and accessories	5000
Overhead charge	2500
Payment of utilities, the electric power, gas, water (cooling)	3000
Cost of transportation	6500
Rent of premises	40000
Expenses on advertising	470000
Other unforeseen expenses	15000
Full budget cost	2518350

### **EXPECTED RESULTS OF RESEARCH.**

The made experiments have shown that it is possible to create a magnetic trap for high-temperature plasma and the industrial operated thermonuclear reactor.

### **EXPECTED RESULT FROM PRODUCT OCCURRENCE IN THE MARKET**

1. New, cheap and safe global power, both base (constant level), and a variable depending on daily and seasonal fluctuations and used as required.
2. The role of traditional energy carriers, systems of their transportation and distribution will essentially decrease (oil pipelines and gas pipelines, air and cable transmission lines, a contact network of electrotransport, a heating main), will be released the earths occupied with water basins of HYDROELECTRIC POWER STATION.
3. Replacement of world power with hydrocarbonic on the thermonuclear will improve planet ecology, at the expense of decrease in emissions CO<sub>2</sub>, SO<sub>3</sub>.

### **FOR FINISHING OF WORKING OUT TO THE COMMERCIAL PRODUCT IT IS REQUIRED**

1. To organise the enterprise, which:
  - a) Will continue technical realisation of devices and their finishing to a batch production (rent or building of premises, purchase of materials, devices and the equipment, acquisition of licences for technologies, services of the foreign organisations etc.)
  - b) Will own patents and to grant licences for manufacture
  - c) To organise application of devices in the areas of economy set forth above
  - d) To provide legal support of this activity (licensing, intellectual property protection etc.)

The authorised capital of enterprise P 500 trillion. Intellectual property (know-how) can make a most part (P 450 trillion) of the authorised capital stock.
2. Point 1 financing in volume not less P 3 000 000 000 000.
3. Enterprise transformation if it is necessary, in Joint-Stock Company.

### **OFFERS TO INVESTORS ON COOPERATION IN THE PROJECT**

An investor (investors) will receive 100% of the return on invested money + participation in writing a new chapter in the history of Mankind (discussion possible).

Equity participation (1% in business = 3 trillion P), long-term or continuous cooperation in further fundamental and applied scientific developments.

Responsibility for project performance is born by Grigor'ev Eugene Aleksandrovich.  
+7 904 606 74 40 from 8.00 to 20.00 GMT + 3.00