

# HIGH EFFICIENT ELECTROLYSER

Project proposal

2020

# Our goal

- It is planned to produce experimental unit of high efficient water - gas splitter, i.e. source of hydrogen.
- This method use new pulsed mode of water dissociation.
- In collaboration with industrial partners we can organize production facilities to provide low cost hydrogen.
- Most interesting area of innovations is hydrogen source for fuel cells.

# The idea

- Analogy is Stanley Meyer US patent 5,149,407
- Pulsed mode of electrolysis can be organized in two stage mode:
  1. Electric input produce polarization of electrodes.
  2. Controller must switch off input and connect electrodes to load or to battery charger.

# The “secret”

- ❑ Tomas Bearden “The Final Secret of Free Energy” Keynote: we need massive displacement current... it is free of primary source depleting...
- ❑ We can organize this process in electrolysis to get high efficient process of water splitting.

# Important aspect

- It is planned to use pure distilled water. Electrical permittivity of pure water is about 81, it is good dielectric.
- Energy of process is depend of energy of capacitor. It is function of capacitance. Dielectric placed between electrodes increase this factor. By this way we can get more energy in capacitor for free, due to polarization of water.
- Self-cooling of water is estimated here during operation of the electrolyser

# Advantages

Standard electrolysis of water require 4 kWhour to produce 1 m<sup>3</sup> of hydrogen. New method can provide the same amount using 200 watt hour.

We can design self-powered source of energy by means of integration of new electrolyser and hydrogen cell. The cell will produce sufficient electrical power to provide useful load and operation of the electrolyser.



# Proposal for investor

- Funds required 90,000 Euro.
- Team:
  - Investor 51%
  - Founder 39 %
  - Co-Author 5 %
  - Top managers 5%

Exit strategy is sale of company to hydrogen energy corporation



# Founder



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