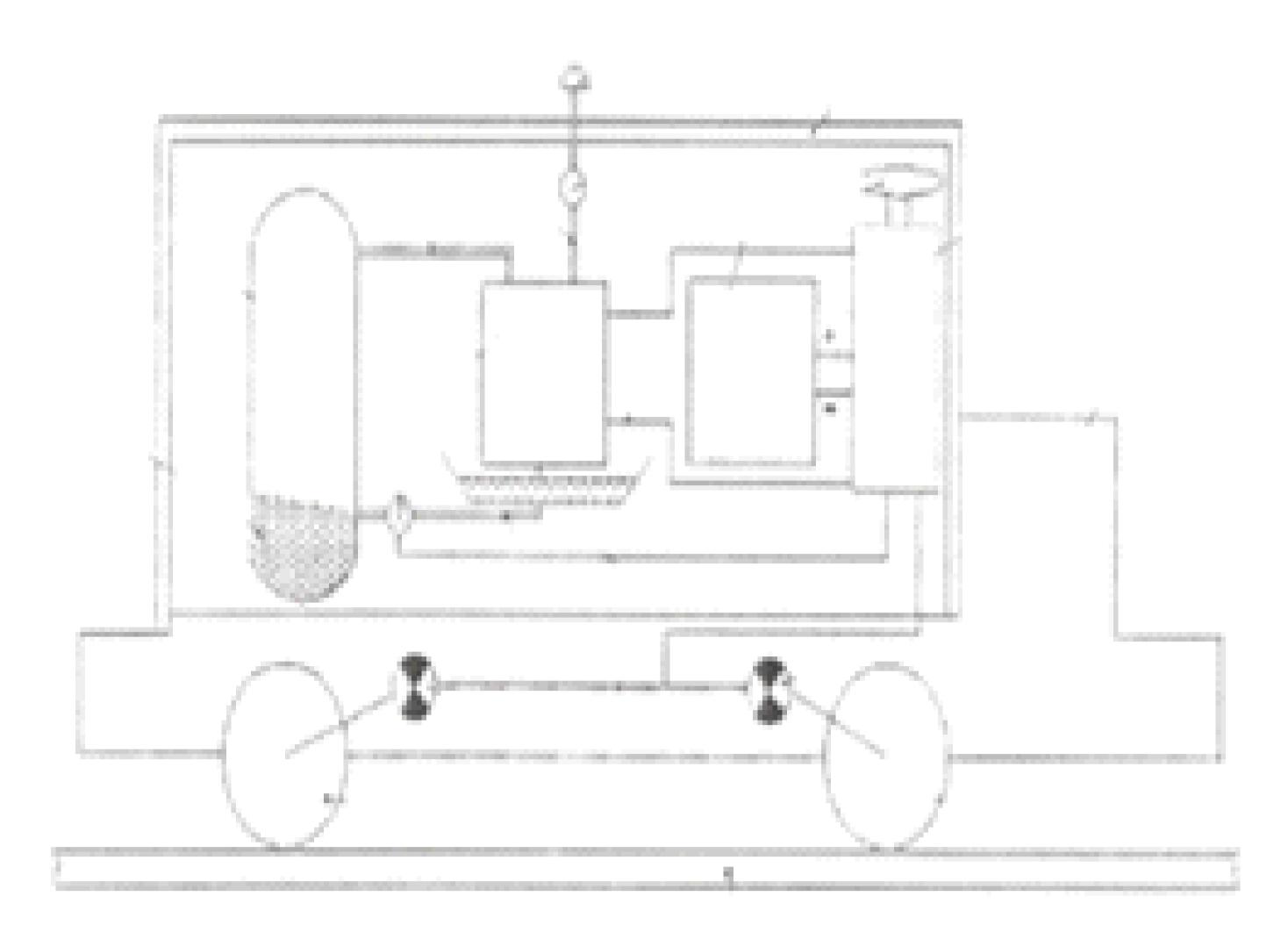


HYDROGEN TECHNOLOGIES

DEVELOPERS: Stanislav Bartashevsky, Andrii Koveria, Alina Ovcharenko, Nataliia Perederii, Tetiana Bulana, Serhii Bartashevsky

PROJECT ESSENCE

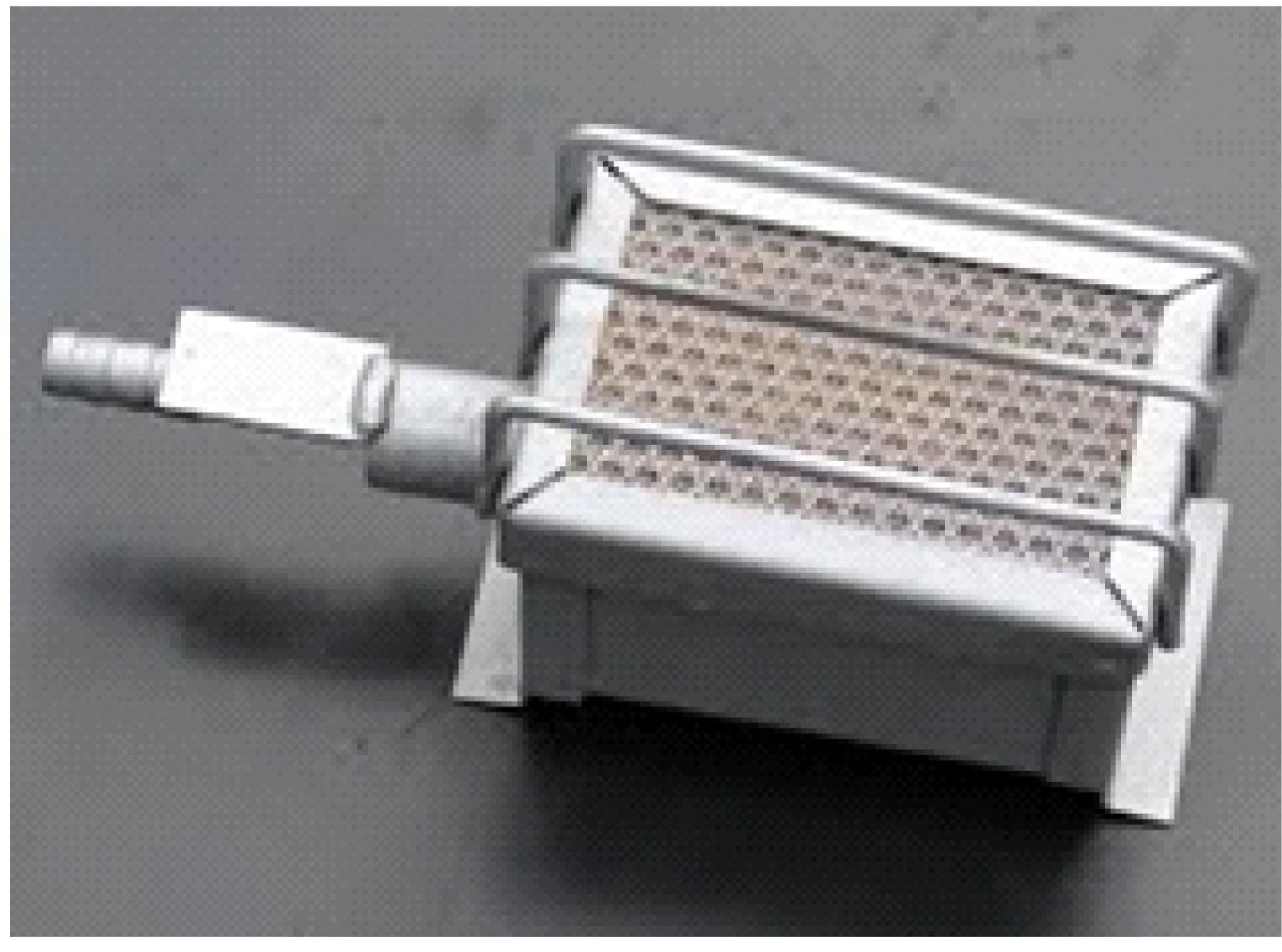
Development of a fuel pellet system based on the reactions of non-aggressive components - compact hydrogen generator with the performance varying ability according to the needs and modes of the equipment - a hydrogen burner for heat supply or a fuel unit for electricity supply.



Mine electrical truck with hydrogen generator Pat. No118272



Demonstration model of the electical vehicle on fuel units with hydrogen generator



The prototype of the hydrogen burner

BENEFITS OF IMPLEMENTING THE DEVELOPMENT

The introduction of this complex will ensure an efficient and safe supply of heat and electricity to both consumers and electric vehicles in field conditions..

STATE PRIZES AND AWARDS

The H2ydroGen team took first place a the Lab2MarketUA Competition

APPLICATION AREA

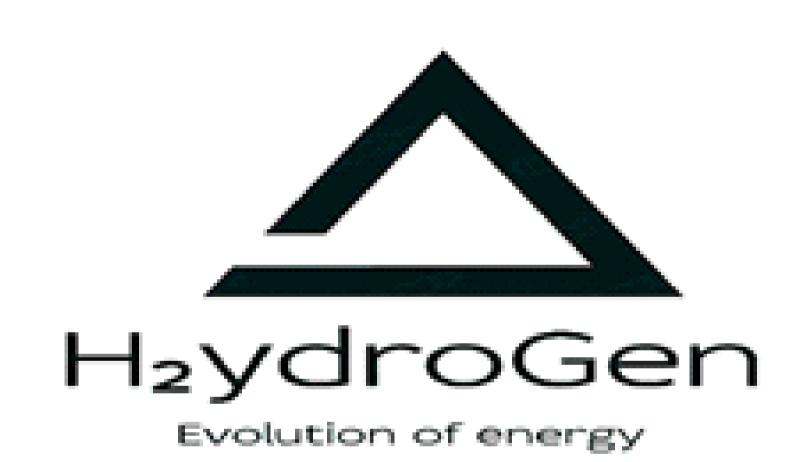
Transport sector as a safe fuel for electric vehicles. The energy sector in combination with a fuel cell and a hydrogen burner generates electricity or heat, especially in distant regions isolated from the energy grid. It can be used in civilian and military areas.

RESULT

System development: "Fuel pellets from inert materials - Hydrogen generator - Hydrogen burner" will make it possible to provide power to electrical equipment in field conditions without harming the environment.

The technology for producing hydrogen from chemically neutral materials directly on vehicles will increase the safety of their operation. The use of hydrogen burners will provide heating and cooking in enclosed rooms and field shelters without the threat to personnel, avoiding smoke and heat demasking factors.

Recycling technology is the recovery of chemical reaction components, which can also be used to utilize excess electricity from renewable sources.





INFORMATION FOR INVESTORS

The technology availability stage is TRL 3-4. The required funding for the production of the laboratory sample is UAH 2 million.

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