INERTON BIODIESEL PRODUCTION TECHNOLOGICAL SYSTEM



Specification

The technology implements the process of impulse electromagnetic treatment of reaction components (vegetable oil and methanol), which intensifies the transetherification reaction that is the main reaction to obtain biodiesel. The performance of one module is 3 tons of biodiesel per hour, the annual output of the module operating in two shifts is 15 thousand tons. The reactor occupies an area of 3-5 sq. m, it is easy to transport and to assemble the installation. The biodiesel production in the flow though mode consumes less than 0.005 kWh electricity per 1 liter of biodiesel. The produced biodiesel meets the European standard EN14214. The number staff to maintain the system is 2-3 workers per shift (staff training takes up to 3 hours)

Areas of Application

The system is designed for producing biodiesel from any vegetable oils (including oil waste) or animal fat

Stage of Development. Suggestions for Commercialization

IRL3, TRL5

Investment project for joint implementation; seeking partners for joint investment project; a prototype is developed and tested at the developer's facilities; search of sales markets in cooperation with investors

Advantages

The equipment is much smaller in comparison with analogs; has a modular structure

IPR Protection

IPR1

Contact Information

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