

The innovative proposition

to attract investors and buyers

1. Name of innovation

IMPROVING BEVERAGES USING ELECTROMAGNETIC TREATMENT

2. Intellectual Property

Select the appropriate position, put the mark «+». Write relevant information.

- Patented Innovation countries: Ukraine
- Filed for a patent countries: _____
- License agreement or Exclusive rights. Exclusive rights
- Other (specify) _____

3. Type of innovation

Select the icon by replacing from "-" to "+"

+	Product
+	Technology

+	Result of R&D
-	Other (discussed separately)

4. Areas of innovation

Select one or more applications innovation by replacing from "-" to "+" .

-	Automobiles, transport and logistics
+	Agriculture and food technology
-	Aerial and space technology
-	Biochemical technology
-	Building
-	Military Industrial and Safety
-	Energy and Energy Saving
-	IT-technology, ICT industry and services
-	Light industry
-	Marine industry and services
-	Environment
-	Nano- and Micro Technology
-	New materials
-	Medicine and Health
-	Creative industry
-	Tourism and cultural heritage
-	Other. (Please specify below the scope)

5. Novelty

The impact of electromagnetic fields on food and water are widely studied and shown in all cases of positive effects: beer, wine, drinks, juices, smoothies, water, irrigation, medicine, farming.

Automatic control of food processing magnetic liquid media containing adder, the first input is coupled to a voltage source that match the optimal amplitude ripple magnetic field, the second entry - with source voltage corresponding to a given optimal oscillation frequency magnetic field; adder output connected to the input pulse power supply output is connected to the coil device for magnetic treatment of liquid food media, and the third entrance of summator is connected with the sensor of electromotive force of vehicle for magnetic treatment of liquid food environments.

Application of technology domains:

1. Improvement of the microbiological indexes of beer, wine, drinks, juices, cocktails.
2. Processes of defending and coagulation of water in the filters
3. Acceleration of washing coal filters of water-fluidizers.
4. Improvement of suds firmness beer.
5. An improvement of filtration at diminishing of time of defending of juice.

Electromagnetic treatment did not find enough wide application in the noted areas yet because of the ambiguity of the relationship between the electric field tension and effect. It depends on speed of crossing of power lines and other factors. Influence of these parameters shows up in polixtreme dependence of action of magnetic-field on the processed environment.

Application of impulsive magnetic-field allows to a great extent to smooth out polixtreme character of action of magnetic-field on water.

The special electronic device produces a magnetic field with an adjustable amplitude and frequency. Special designed sensors that produce electrical signals proportional to the effect of electromagnetic treatment. It's allows you to implement a closed system of automatic control of electromagnetic processing of food substances and water.

The term of industrial implementation is 1-2 years for existing production of drinks, it's necessary for adaptation technologies to the concrete production.

6. Stage of Innovation

What is innovation's stage of development? Select the icon by replacing from "-" to "+"

-	The concept, proof of concept
-	The prototype, which tested and available for demonstration
+	The technologies for small-scale production
+	The technology is ready for industrial application
-	Commercialized

7. The presentation innovations

Select one or more forms by replacing badge from «-» to «+»

-	The demonstration model
+	Multimedia presentation
-	Report

8. Information about the participants, which apply innovation

	<i>If innovation is filed away</i>
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