



A new reactor and system enable repeated use of water for the treatment in open cooling system

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Abstract

An Israeli SME that provides solutions for the industrial, commercial, civilian and agricultural sectors, has developed and manufactures a new product enable repeated use of water by an electric process only without using any chemicals, thus contributing to substantial savings of resources, funds and to the health of mankind and the environment. The company seeks partners for collaboration

Description

An Israeli SME a well-known engineering company has developed and manufactures a new product which is designed for treatment of water in open cooling system for waterfall cooling tower, condenser evaporator, and cooling tower with external heat exchanger. The product solves problems of scale, corrosion, and biological life forms, for the protection of equipment typical to these systems, including cooling towers, water dispersal nozzles, plastic filler of the tower, pumps, faucets, and heat exchangers. The technology is a complete techno-economic substitute for existing technologies, including chemical additives, acids, flocculants, water improvement systems such as softeners, reverse osmosis (RO) systems, etc. and implemented in the industrial, commercial, civilian and agricultural sectors

Innovations and advantages of the offer

Innovative aspects

A Complete solution for the flowing:

- Solving problems of scale,
- Solve problems of corrosion,
- Solve problems of biological life forms,
- Removal of iron and manganese,

Main advantages

- Savings of more than 80% in consumption of fresh water drained into sewage.
- Avoid using chemicals for the treatment of water.
- Enable the use of brackish underground water, sea

water, and waste water as a substitute for drinking water in manufacturing support systems.

- Substantial financial savings in operation of the system and quick return on investment

Current and Potential Domain of Application

waterfall cooling tower, air-condition's condenser evaporator, cooling tower with external heat exchanger.

For further information (including IPR status) please contact:

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