【DESCRIPTION】

【Invention Title】

Multi-effect Solar Distiller with Multiple Heat Sources~~NORMAL PRESSURE-TYPE MULTIPLE-EFFECT DESALINATION DEVICE USING SOLAR HEAT AND MULTIPLE HEAT SOURCES~~

【Technical Field】

The present invention relates to an apparatus for increasing use efficiency of solar thermal energy capable of distilling sea water using condensation heat and waste heat from various types of power generators together with solar thermal energy as a heat source, and evaporating the sea water using a plurality of absorption reflectors.

【Background Art】

Generally, as a technology for distilling sea water, there are an evaporation method using an evaporation phenomenon of water, and a membrane filtration method using a membrane. The technology for distilling sea water mainly uses a large-capacity plant of 10,000 tons or more a day, but this kind of plant consumes much energy and uses an energy source relying on fossil fuel. To solve a problem of depletion of fossil fuel and environmental pollution, the technology for distilling sea water also takes into great consideration the use of renewable energies such as solar thermal energy.

Meanwhile, there are many island areas, remote areas, and developing countries which have insufficient power and water supply infrastructures all over the world. These areas require a lot of initial construction cost and