System of Geothermal Cooling for Photovoltaic Solar Panels and Application Thereof

ABSTRACT

The instant invention provides a geothermal cooling system for cooling semiconductor PV panels operating in either concentrating or non-concentrating mode, which comprises heat sink mounted onto the underside of the silicon PV panel, a subterranean-level condenser, and other necessary equipment. Different embodiments of the geothermal cooling system are also provided in this invention.

Fig 4