

**HEAT-DISSIPATING STRUCTURE HAVING EMBEDDED
SUPPORT TUBE TO FORM INTERNALLY RECYCLING
HEAT TRANSFER FLUID AND APPLICATION
APPARATUS**

5

ABSTRACT

The invention is provided with a support tube (101) and an inner tube (103) installed inside thereof, the diameter differentiation between the inner diameter of the support tube (101) and the outer diameter of the inner tube (103) is formed with a partitioned space for constituting a fluid path, the upper tube of the support tube (101) is installed with an electric energy application device assembly (108), and through the fluid pump (105) serially installed on the heat transfer fluid path to pump the heat transfer fluid to form a closed recycling flow, and through passing the support tube (101) of the mentioned closed recycling heat transfer fluid path and the exposed portion at the outer surface of the relevant structure, thereby enabling to perform temperature equalizing operation with the external gaseous or solid or liquid environment and/or the soil or liquid of the shallow ground natural thermal energy body.

20

Figure 40