

A SEAWATER COOLING SYSTEM AND AN UNDERGROUND STORAGE SYSTEM

Abstract

Embodiments of the invention provide a seawater cooling system which
5 comprises a seawater pipeline having a seawater intake portion, a cooling portion
and a seawater discharging portion. The seawater intake portion has an inlet
disposed at a predetermined depth below a sea level and a part of the seawater
intake portion and a part of the cooling portion forms a substantial inverted U-
shape structure to allow seawater at the predetermined depth to enter into the
10 cooling portion; the cooling portion is disposed in the underground enclosed space
to lower temperature in the underground enclosed space by the seawater from the
seawater intake portion; and the cooling portion and the seawater discharging
portion forms a substantial U-shape structure and the seawater discharging
portion has an outlet which is disposed on or close to a sea surface so that the
15 seawater in the seawater pipeline to be brought to the sea surface.

(Figure 1)