

Title (en)
TEMPERATURE STABILIZATION APPARATUS.

Title (de)
TEMPERATURSTABILISIERUNGSAPPARAT.

Title (fr)
DISPOSITIF DE STABILISATION DE TEMPERATURE.

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Application
EP 93910744 A 19930423

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Abstract (en)
[origin: WO9323875A1] An illustrative embodiment of the invention provides a temperature stabilization apparatus for a closed equipment cabinet (10) in order to maintain the equipment (11) in the cabinet within predetermined temperature limits. A subterranean ground loop (32) is coupled to a heat exchanger (17) in which a portion of the ground loop is buried within the earth (33) to a depth at which the earth's temperature remains within predetermined limits. The heat exchanger (17) transfers heat between recirculated air (30, 31, 34, 35) within the cabinet and the earth (33) to provide the needed temperature stability for equipment within the cabinet. Water, in which its physical state does not change, is the preferred working fluid for the ground loop.

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