

Abstract

Title of Invention

COOLING LIQUID CIRCULATION UNIT, METHOD FOR CONTROLLING
SAME, AND PROGRAM

The purpose of the present invention is to set cooling conditions in consideration of the amount of heat emitted by an electronic device. This cooling liquid circulation unit circulates cooling liquid in an immersion tank for immersing and cooling a plurality of electronic devices in the cooling liquid. The cooling liquid circulation unit is provided with: a flow rate adjustment part provided in a cooling liquid circulation path for circulating the cooling liquid in the immersion tank; a heat exchanger for exchanging heat between the cooling liquid and a cooling medium, the heat exchanger being provided in the cooling liquid circulation path; and a cooling liquid circulation unit controller. The cooling liquid circulation unit controller (70a) is provided with a mode selection part (51) for selecting any one of a plurality of cooling modes, a calculation part (52) for calculating a necessary cooling amount on the basis of parameters related to operation states of the plurality of electronic devices, and a cooling condition setting part (53b) for setting a target value of

parameters related to the flow rate of the cooling liquid on the basis of the selected cooling mode and the necessary cooling amount.

(FIG. 14)