

Title (en)
ELECTRONIC TEMPERATURE CONTROL APPARATUS, COOLER USING THE SAME, HEATER USING THE SAME, AND CONTROL METHOD THEREOF

Title (de)
ELEKTRONISCHE TEMPERATURREGELUNGSVORRICHTUNG, KÜHLER DAMIT, HEIZER DAMIT UND STEUERVERFAHREN DAFÜR

Title (fr)
APPAREIL DE COMMANDE ÉLECTRONIQUE DE LA TEMPÉRATURE, REFROIDISSEUR UTILISANT CET APPAREIL, APPAREIL DE CHAUFFAGE UTILISANT CET APPAREIL ET PROCÉDÉ DE COMMANDE DE CET APPAREIL

Publication
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Application
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Abstract (en)
[origin: WO2013015610A2] An electronic temperature control apparatus a cooler using the same, a heater using the same, and a control method thereof are provided. The electronic temperature control apparatus includes: a thermoelectric module including a first metal member having one end in contact with an object and a second metal member having one end joined with the other end of the first metal member, a voltage applied to one end of the first metal member and the other end of the second metal member; a voltage supply unit supplying a first voltage or a variable voltage having a range from a second voltage to a third voltage to the thermoelectric module; and a controller controlling a voltage supplied to the thermoelectric module by the voltage supply unit according to a difference between a temperature of the object or the first metal member and a target temperature.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [X] US 5371665 A 19941206 - QUISENBERRY TONY M [US], et al
• [A] US 2009195980 A1 20090806 - SHIH YU-YUN [US]
• See references of WO 2013015610A2

Designated contracting state (EPC)
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