

Title (en)

ELECTRONIC TEMPERATURE CONTROL APPARATUS AND CONTROL METHOD THEREOF

Title (de)

ELEKTRONISCHE TEMPERATURREGELUNGSVORRICHTUNG UND STEUERVERFAHREN DAFÜR

Title (fr)

APPAREIL DE COMMANDE ÉLECTRONIQUE DE LA TEMPÉRATURE ET PROCÉDÉ DE COMMANDE DE CET APPAREIL

Publication

EP 2737266 B1 20180328 (EN)

Application

EP 12817503 A 20120725

Priority

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- KR 20110076053 A 20110729
- KR 2012005935 W 20120725

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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US 2008022696 A1 20080131 - WELLE RICHARD P [US], et al

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DOCDB simple family (publication)

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