

Title (en)  
TEMPERATURE CONTROLLER AND TEMPERATURE CONTROL METHOD, AND HEATING WIRE THEREOF

Title (de)  
TEMPERATURREGLER UND TEMPERATURREGELVERFAHREN UND HEIZDRAHT DAFÜR

Title (fr)  
DISPOSITIF DE REGULATION THERMIQUE, SON PROCEDE, ET FIL CHAUFFANT ASSOCIE

Publication  
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Application  
**EP 05749065 A 20050418**

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Abstract (en)  
[origin: WO2006073222A1] The present invention relates to a non-electromagnetic wave temperature controller for a heating cable and a method therefor, which can perform heating and temperature detection in a non-electromagnetic fashion without short-circuiting one end of the heating cable that is used in warmers, such as electric floors, electric mats and electric fomentation devices. Furthermore, the present invention relates to a temperature detection non-electromagnetic heating cable and a temperature controller, which can reduce the amount of heat and control temperature without using a separate temperature sensor when the temperature of the heating cable is controlled or an arbitrary portion of the heating cable is overheated, and can prevent a magnetic field from being generated in the heating cable without short-circuiting one end of electrical heating wires and intercept the generation of a leakage electric field.

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