

Title (en)  
COOLING CONTROL CIRCUIT FOR PELTIER DEVICE

Title (de)  
KÜHLKREISLAUF FÜR PELTIER-ELEMENT

Title (fr)  
CIRCUIT DE COMMANDE DE REFROIDISSEMENT DESTINÉ À UN DISPOSITIF DE PELTIER

Publication  
**EP 2480946 A1 20120801 (EN)**

Application  
**EP 10776192 A 20100922**

Priority  
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Abstract (en)  
[origin: WO2011036875A1] A cooling control circuit for a Peltier device comprises: a switching device 3; an LC filter 4, 13 connecting between the switching device 3 and the Peltier device 1, the LC filter 4, 13 smoothing an output from the switching device 3; an amplifier circuit 6 amplifying an output from the LC filter 4, 13; and a switching device control circuit IC configured to control an on-state and off-state of the switching device 3 based on a level of an output from the amplifier circuit 6. The amplifier circuit 6 delays and amplifies the output from the LC filter 4, 13 so that a maximum level of the output from the LC filter 4, 13 reaches a level at which the switching device control circuit IC brings a switching device 3 into the off-state.

IPC 8 full level  
**G05D 23/19** (2006.01)

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Citation (search report)  
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