

Title (en)  
DOMESTIC APPLIANCE COMPRISING A THERMOELECTRIC HEAT PUMP

Title (de)  
HAUSGERÄT MIT THERMOELEKTRISCHER WÄRMEPUMPE

Title (fr)  
APPAREIL ELECTROMENAGER COMPRENANT UNE POMPE A CHALEUR THERMOELECTRIQUE

Publication  
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Application  
**EP 06819825 A 20061129**

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Abstract (en)  
[origin: WO2007068588A1] The invention relates to a domestic appliance (1), especially a tumbler (1), comprising a thermoelectric heat pump (20, 26, 28). The aim of the invention is to prevent the Peltier elements (20) in the thermoelectric heat pump (20, 26, 28) from exceeding a predetermined threshold temperature under any circumstances. The resistance of the Peltier elements (20) increases with increasing temperature while the electrical power drawn by a constant mains voltage decreases. A separate heat flow path (34) allows heat being carried off from the individual Peltier elements (20). The heat flow path is designed in such a manner that with increasing temperature, the power  $P_{\text{therm}}$  of the heat carried off becomes equal the electrical power  $P_{\text{el}}$  which the Peltier elements (20) draw from the constant mains voltage.

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