

Title (en)
REFRIGERATOR WITH THERMOELECTRIC MODULE

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Application
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Abstract (en)
[origin: WO8906335A1] In the refrigerating unit disclosed, a thermoelectric Peltier element (19) is used as a heat pump between a first heat-exchanger (20, 23, 24) inside a refrigerator (10) and a second heat-exchanger (18, 28, 29, 30, 31) on the outside of the rear wall (11) of the refrigerator. Both heat-exchangers have a metal block (20 or 18) connected in a heat-conducting manner, either directly or via a heat-conducting block (15), to the Peltier element (19). The supply of electrical energy to the feed circuit of the Peltier element (19) is automatically controlled by an electric circuit arrangement with a variable-resistance temperature probe. The refrigerating unit is characterized by low energy consumption, no perceptible current peaks on start-up, and a particularly long service life.

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