

Title (en)
HEAT PIPE FOR COOLING SUBSTANCES

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Application
EP 87908018 A 19871116

Priority
SU 4148435 A 19861118

Abstract (en)
[origin: WO8804022A1] The device consists of a heat-pipe (1) having an evaporation and a condensation zone (2, 3) and provided, within zone (3), with external ribs (4). The cooler has a jacket (5) open on one of its sides to let the gas flow in, and the ribs (4) are arranged inside it so as to form on the other side by their end-faces, together with the wall of the jacket (5), a chamber (4) for diverting the gas flow. The adjacent ribs (4) are hermetically connected in pairs so as to provide channels (7, 8) inside and between the pairs. The walls of the internal channels (8) are provided with a capillary-porous layer (9), the ends of which contact with a liquid medium (10).

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