

Title (en)
THERMAL HEAT PUMP

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Abstract (en)
[origin: US4281709A] The present invention relates to a thermal heat pump consisting of a heat pipe in which the vapor passage between the heat transfer zone to the heat supply and the heat transfer zone to the heat removal section has a cross section which varies across its length. The variable cross-sectional vapor passage first increases and then decreases the rate of vapor flow, and a further heat transfer zone with either heat supply or removal is located in the area of increased vapor velocity. The cross-sectional variation of the vapor passage in the heat pipe between the two outermost heat transfer zones is advantageously brought about by a displacement body arranged internally of the heat pipe with a particular surface contour.

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Cited by
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