

Title (en)
HEAT PIPE AND METHOD OF MANUFACTURING IT

Title (de)
HEIZROHR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
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Application
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Abstract (en)
It is an object of the invention to provide a heat pipe which can ensure the sealing effect under a high temperature condition, and has a further long life in comparison with the conventional ones, and a method for manufacturing the same. Another object of the invention is to provide a heat pipe which has an improved productivity and reduces the cost, and, has a further long life in comparison with the conventional ones. According to a heat pipe 1 of the invention, an upper plate reinforcement member 50, an intermediate plate reinforcement member 52, a slit-provided reinforcement member 55 and a lower plate reinforcement member 60 adhere tightly to one another to form a support structure in vapor diffusion flow paths 44 facing the peripheral regions of a refrigerant charging hole 4 and an air outlet port 5. Therefore, the heat pipe 1 can receive external force from a press 75 by the support structure constituted by the upper plate reinforcement member 50, the intermediate reinforcement member 52, the slit-provided reinforcement member 55, and the lower plate reinforcement member 60, thus preventing an upper plate 2 or a lower plate 3 from being damaged by that external force and an interior space 10a from being crushed.

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