

Title (en)
Heat pipe

Title (de)
Wärmerohr

Title (fr)
Caloduc

Publication
EP 0600191 B1 19960424 (DE)

Application
EP 93116291 A 19931008

Priority
DE 4240082 A 19921128

Abstract (en)
[origin: US5346000A] A heat pipe is equipped with a bubble trap. Such bubble trap takes the form of a baffle that restricts the liquid flow in the liquid flow channel of the heat pipe to divide the two-phase flow in the liquid channel into a liquid flow and into a bubble and liquid flow. A cage of wire mesh is positioned downstream of the baffle to entrap the bubbles. In another embodiment the bubble trapping cage is a chamber that extends all the way into the evaporating end of the pipe while the baffle is arranged upstream of such a chamber which is additionally connected through perforations to the liquid flow channels.

IPC 1-7
F28D 15/02

IPC 8 full level
F28D 15/02 (2006.01)

CPC (source: EP US)
F28D 15/025 (2013.01 - EP US)

Designated contracting state (EPC)
BE DE FR NL

DOCDB simple family (publication)
DE 4240082 C1 19940421; DE 59302366 D1 19960530; EP 0600191 A1 19940608; EP 0600191 B1 19960424; US 5346000 A 19940913

DOCDB simple family (application)
DE 4240082 A 19921128; DE 59302366 T 19931008; EP 93116291 A 19931008; US 15841193 A 19931129