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(54) Title: DEVICE AND METHOD FOR A TWO PHASE HEAT TRANSFER

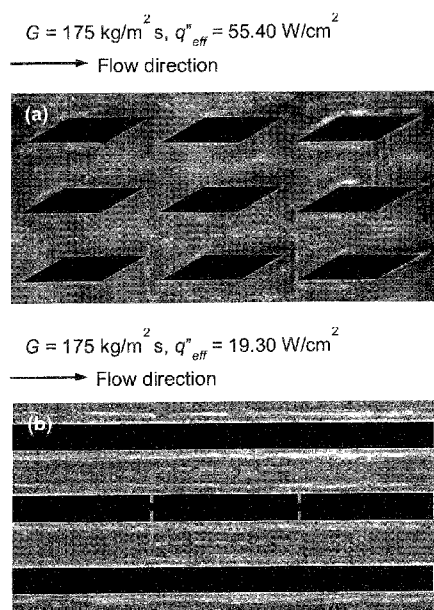


Figure 12 (a)

(57) Abstract: The invention provides a two phase heat transfer device comprising an inlet for receiving a heat transfer fluid, and; an array of heat transfer fins in spaced relation; primary spaces between said heat transfer fins defining primary channels parallel to a path from the inlet to outlet, and; oblique spaces between said heat transfer fins defining oblique channels arranged at an angle to said primary channels. It is preferable that walls defining the primary and oblique spaces provide nucleate boiling regions and the interruption of fully developed convective boiling regions.

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