

DEVICE FOR COOLING A LIQUID**ABSTRACT OF THE DISCLOSURE**

A heat transfer device for cooling a liquid comprises a tube having a first end and a second end, a heat transferring panel located within the tube, wherein the heat transferring panel has a coating having a high emissivity, and a pipe adapted to carry the liquid, extending into and sealed off from the tube. The pipe contacts the heat transferring panel. At least a partial vacuum is maintained in the tube.

Fig. 1