

Title (en)

METHOD AND TOOL FOR MAKING ENHANCED HEAT TRANSFER SURFACES

Title (de)

VERFAHREN UND WERKZEUG ZUR HERSTELLUNG VON VERBESSERTEN WÄRMEÜBERTRAGUNGSFLÄCHEN

Title (fr)

PROCEDE ET OUTIL DE FABRICATION DE SURFACES D'ECHANGE THERMIQUE AMELIOREES

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Application

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Abstract (en)

[origin: WO2005043062A2] The invention relates to enhanced heat transfer surfaces and methods and tools for making enhanced heat transfer surface. Certain embodiments include a boiling surface that include a plurality of primary grooves, protrusions and secondary grooves to form boiling cavities. The boiling surface may be formed by using a tool for cutting the inner surface of a tube. The tool has a tool axis and at least one tip with a cutting edge and a lifting edge. Methods for making a boiling surface are also disclosed, including cutting through the inner surface of a tube to form primary grooves, then cutting and lifting the inner surface to form protrusions and secondary grooves.

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