

Title (en)

A heat transfer tube and method of manufacturing same

Title (de)

Wärmetauscherrohr und Verfahren zu dessen Herstellung

Title (fr)

Tube pour échangeur de chaleur et méthode pour fabriquer un tel tube

Publication

EP 0865838 B1 20020508 (EN)

Application

EP 98630007 A 19980227

Priority

- US 82047297 A 19970317
- US 81447197 A 19970317

Abstract (en)

[origin: EP0865838A1] The present invention is a heat transfer tube, and a method of manufacturing a heat transfer tube, having an external surface configured to provide improved heat transfer performance in both refrigerant condensing, flooded evaporation and film evaporation applications. The tube has one or more fin convolutions formed on its external surface. Notches extend at an oblique angle across the fin convolutions at intervals about the circumference of the tube. The portion of a fin convolution between adjacent notches in the fin convolution forms a spike. The distal tip of the spike into two tip portions. Each tip portion extends outward from the proximal base of the fin toward the split fin tips in the adjacent fin convolution. <IMAGE>

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Cited by

CN103084813A; CN100449248C; US7509828B2; US8720199B2; US8573022B2; WO03104736A1; US7284325B2; US7311137B2; US7637012B2; US8302307B2

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