

Title (en)

Tube for heat exchanger and process for making same

Title (de)

Wärmeaustauscherrohr und Verfahren zu dessen Herstellung

Title (fr)

Tube d'échangeur de chaleur et son procédé de fabrication

Publication

**EP 1223400 A3 20051130 (DE)**

Application

**EP 02000425 A 20020108**

Priority

DE 10101589 A 20010116

Abstract (en)

[origin: EP1223400A2] A metallic heat exchanger tube, especially for vaporizing liquids comprising pure materials and mixtures on the outside of the tube, comprises integral ribs (3) on the outside of the pipe, which have a foot (13) that extends radially from the pipe wall (18). Grooves between the ribs have cut-outs in the base. The cut-outs are in the form of cut-back secondary grooves (7).

IPC 1-7

**F28F 13/18**; **F28F 1/42**; **B21C 37/20**

IPC 8 full level

**F28F 1/12** (2006.01); **B21C 37/20** (2006.01); **B21H 7/14** (2006.01); **F28F 1/16** (2006.01); **F28F 1/26** (2006.01); **F28F 1/42** (2006.01); **F28F 13/02** (2006.01)

CPC (source: EP US)

**B21C 37/207** (2013.01 - EP US); **F28F 1/42** (2013.01 - EP US); **F28F 1/422** (2013.01 - EP US); **F28F 13/182** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US); **Y10T 29/49385** (2015.01 - EP US)

Citation (search report)

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- [Y] US 3906605 A 19750923 - MCLAIN CHARLES D
- [A] US 4602681 A 19860729 - DAIKOKU TAKAHIRO [JP], et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 02 31 March 1995 (1995-03-31)
- [X] PATENT ABSTRACTS OF JAPAN vol. 008, no. 148 (M - 308) 11 July 1984 (1984-07-11)
- [X] PATENT ABSTRACTS OF JAPAN vol. 001, no. 068 (M - 024) 4 July 1977 (1977-07-04)
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