

Title (en)

Heat exchange tube structured on both sides and process for making same

Title (de)

Beidseitig strukturiertes Wärmeaustauscherrrohr und Verfahren zu dessen Herstellung

Title (fr)

Tube d'échangeur de chaleur structuré des deux côtés et son procédé de fabrication

Publication

EP 1312885 A3 20040818 (DE)

Application

EP 02024655 A 20021105

Priority

DE 10156374 A 20011116

Abstract (en)

[origin: DE10156374C1] The heat exchange tube (1) has outer fins (3) and inner fins (20) crossed by secondary grooves (22) Two rolling tools (11, 12) form the outer fins, and the inner fins are formed by two differently shaped rolling mandrels (15, 16), one forming the inner fins themselves, the other forming the secondary grooves in them.

IPC 1-7

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

IPC 8 full level

F28F 1/36 (2006.01); **B21C 37/20** (2006.01); **B21H 3/04** (2006.01); **B21H 3/10** (2006.01); **F28F 1/42** (2006.01); **F28F 13/04** (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); **Y10T 29/4935** (2015.01 - EP US); **Y10T 29/49377** (2015.01 - EP US); **Y10T 29/49378** (2015.01 - EP US); **Y10T 29/49382** (2015.01 - EP US); **Y10T 29/49385** (2015.01 - EP US); **Y10T 29/49391** (2015.01 - EP US)

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