

Title (en)

METHOD OF FORMING HEAT EXCHANGER TUBES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WÄRMETAUSCHERROHREN

Title (fr)

PROCÉDÉ DE FORMATION DE TUBES D'ÉCHANGEUR DE CHALEUR

Publication

EP 2788705 B1 20170301 (EN)

Application

EP 12799430 A 20121128

Priority

- US 201161568424 P 20111208
- US 2012066822 W 20121128

Abstract (en)

[origin: WO2013085771A1] A heat exchange tube (10) for a refrigerant-flooded evaporator includes a tube (12) body and a plurality of channels (14) for conveying a cooling medium therethrough located in the tube body. One or more outer wall textural elements are included at the outer wall (26) of the tube body to improve thermal energy transfer between the cooling medium and a volume of boiling refrigerant. A method of forming a heat exchange tube for a refrigerant-flooded evaporator includes urging a billet (16) into an extrusion section (22) and forming the billet into two tube halves (24) including an outer wall and an inner wall (28) having a plurality of channel halves (30). A textural element is formed at one or more of the outer wall and the inner wall via one or more rotating dies (34), and the two tube halves are joined to form the heat exchange tube.

IPC 8 full level

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CPC (source: EP US)

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