

Title (en)

Finned heat transfer device and method for making same.

Title (de)

Gerippte Wärmeaustauscheinrichtung und Methode zu deren Herstellung.

Title (fr)

Dispositif d'échange de chaleur à ailettes et méthode de fabrication.

Publication

EP 0214784 A1 19870318 (EN)

Application

EP 86306379 A 19860818

Priority

US 76780185 A 19850821

Abstract (en)

The invention provides a fin structure (3), and a method and apparatus for forming a fin structure (3), for application to the exterior of a tube (4) to form a heat transfer device effective in minimizing frost bridging in refrigeration operations. The fin structure is wound helically onto a refrigerant-carrying tube (4), and comprises an integrally formed chain of looped fins (3), each looped fin having a mounting flange (8,9) at each end thereof and comprising two vertical fin portions (10a,10b) extending respectively from each mounting flange (8,9) and connected together by a bridge portion (10c,10s); the method and apparatus for making the same includes a unitary stretch preforming process to reform thin lanced sheet metal fin stock (2) into the final looped fin shape (3) in a single forming step.

IPC 1-7

F28F 1/36; **B21C 37/26**

IPC 8 full level

F28F 1/12 (2006.01); **B21C 37/26** (2006.01); **B21D 53/02** (2006.01); **B21D 53/06** (2006.01); **F28F 1/36** (2006.01)

CPC (source: EP KR)

B21C 37/26 (2013.01 - EP); **F28F 1/30** (2013.01 - KR); **F28F 1/36** (2013.01 - EP)

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Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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