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(54) Title: METHOD OF FABRICATING A DOUBLE-NOSED TUBE FOR A HEAT EXCHANGER

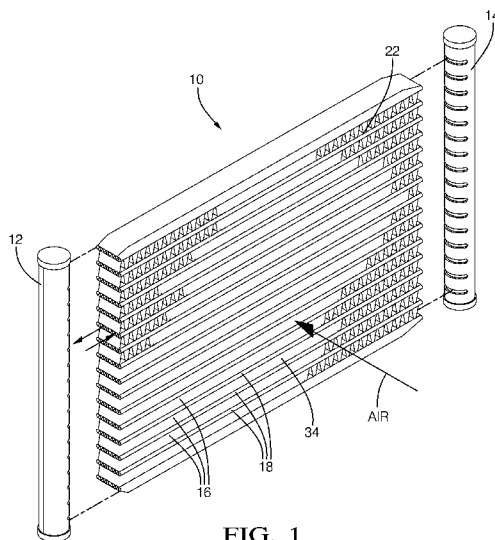


FIG. 1

(57) Abstract: A method of forming a heat exchanger tube by folding a strip of heat conductive material into a "B" shaped double nosed tube. The strip is progressively plastically deformed to form a pair of corrugations, wherein each of the corrugations includes a series of alternating crests and web segments. An internal nose is defined by an outward extension of the outer most crest followed by an inward curve. The corrugations are then folded inward toward a surface of the strip forming a pair of folded corrugations defining a central wall along the first fold. The folded corrugations are then folded inward toward the same surface of the strip such that the central walls are tightly abutted against each other, and the internal noses are abutted up against a respective portion of the surface along the second fold, thereby forming the double nosed folded tube.



INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F28F 1/38 (2012.01)

USPC - 165/83

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - B21D 21/00; F28D 1/03; F28F 1/02, 1/38, 3/04 (2012.01)

USPC - 29/890.043, 890.053; 228/183; 165/177, 183

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase and Google Patents

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,441,106 A (YUKITAKE) 15 August 1995 (15.08.1995) entire document	1-4
A	US 6,615,488 B2 (ANDERS et al) 09 September 2003 (09.09.2003) entire document	1-4
A	US 6,209,202 B1 (RHODES et al) 03 April 2001 (03.04.2001) entire document	1-4

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