

Title (en)

HEAT EXCHANGER TUBE, AND CORRESPONDING HEAT EXCHANGER PRODUCTION METHOD

Title (de)

WÄRMETAUSCHERROHR UND ENTSPRECHENDES HERSTELLUNGSVERFAHREN FÜR WÄRMETAUSCHER

Title (fr)

TUBE POUR ECHANGEUR THERMIQUE, ECHANGEUR THERMIQUE ET PROCEDE D'OBTENTION CORRESPONDANTS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012131038A1] The invention relates to a heat exchanger tube produced by folding a metal strip (11), characterized in that said strip (11) has a thickness that varies between at least one first thickness (e 1) and at least one second thickness (e 2) that is greater than said first thickness (e 1), and in that said tube has first thinner areas (Z1) and second reinforced areas (Z2) located at locations at which a high mechanical load is applied, said first areas (Z1) consisting of first portions (P1) of said strip having a first thickness (e 1) and said reinforced second areas (Z2) consisting of second portions (P2) of said strip (11) having a second thickness (e 2). The invention also relates to a heat exchanger including a bundle of such tubes, as well as to a method for producing such a tube.

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Citation (opposition)

Opponent : MAHLE International GmbH

- FR 2923591 A1 20090515 - VALEO SYSTEMES THERMIQUES [FR]
- GB 2133525 A 19840725 - NIPPON DENSO CO
- EP 1014024 A1 20000628 - ZEXEL CORP [JP]
- DE 102004049809 A1 20060413 - BEHR GMBH & CO KG [DE]
- DE 102006006670 A1 20070823 - MODINE MFG CO [US]
- US 6192977 B1 20010227 - DEY LA VOYCE [US], et al
- FR 2869678 A1 20051104 - VALEO SYSTEMES THERMIQUES SOC [FR]
- US 2004194943 A1 20041007 - YAMAUCHI TAKUMI [JP]
- JP H10122778 A 19980515 - KOBAYASHI HIROSHI

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