

Title (en)
HEAT EXCHANGER TUBE

Title (de)
WÄRMETAUSCHERROHR

Title (fr)
TUBE POUR ECHANGEUR THERMIQUE

Publication
EP 1681528 A1 20060719 (EN)

Application
EP 04773389 A 20040916

Priority
• JP 2004014005 W 20040916
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Abstract (en)
In a heat exchanger tube, a brazing material, which is required for brazing tops (310) of inner fins (300) which are a flow passage dividing body and the inner surface of a tube body portion (200), not clad to a first material which constitutes the tube body portion but clad to a second material which constitutes the inner fins. In the heat exchanger tube, the tube has a thickness t tube of 1.2 mm or less and a width W tube of 16 mm or less, the first material has a thickness t 1 of 0.25 mm or less, the second material has a thickness t 2 of 0.10 mm or less, and the flow passages divided by the inner fins have an equivalent diameter of 0.559mm or less. Besides, when brazing in a furnace, a brazing material disposed within the flow passages melts earlier than a brazing material which penetrates from outside into the flow passages, thereby preventing the flow passages from being clogged.

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IPC 8 full level
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Cited by
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