

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE

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Application
EP 97937831 A 19970828

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Abstract (en)
[origin: WO9809124A1] A heat exchanger (1) including a pair of tanks (2 and 2), and a plurality of tubes (4, 4) and fins (3a, 3a) interposed between these tanks (2 and 2), wherein the tubes (4) have closing portions (5) at intermediate parts thereof to divide passages (6, 7) into two parts. One (6) of the passages connected to one (2) of the tanks and the other passage (7) connected to the other tank (2) are shaped into a U-turn shape, and a first heat exchanger A having a partial tank structure and a second heat exchanger B having a partial structural tank structure are formed, respectively. A heat insulating zone (11) not having fins is disposed between the first and second heat exchangers. The first and second heat exchangers are integrally brazed to form a heat exchanger. In this heat exchanger formed by integrally brazing the first and second exchangers, each of the tubes (4, 4) is produced by bending a single plate of an aluminum material or an aluminum alloy clad on both surfaces or bonding two plates, and the closing portion (5) for dividing the passage into two parts in the longitudinal direction is formed in this tube.

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F28D 1/053; F28F 9/02

IPC 8 full level
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