

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE

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EP 1359384 A1 20031105 (EN)

Application
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Abstract (en)
A heat exchanger having tubes 21 for flowing a medium and tanks 3 each formed of an end plate 32 having tube insertion holes 5 for connection of the tubes and a tank plate 31 connected to the end plate, which are assembled and brazed in a heating furnace, wherein the tank plate 31 is formed of a plate provided with brazing materials R1, R2, and at least one of the tank plate 31 and the end plate 32 is provided with separator portions 311, 321 not provided with the brazing material for prevention of the brazing material from outflowing. The tank 3 has partition plates 7 for dividing the interior, the inner surface of at least one of the tank plate 31 and the end plate 32 is clad with the brazing material, and the partition plates 7 are formed of a bare material not clad with a brazing material. <??>And, the end plate 32 has the brazing material clad on its one surface only, and the ends of the fins 4 and the surface of the end plate 32 not clad with the brazing material are opposed to each other at the time of brazing. <IMAGE>

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IPC 8 full level
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WO 02055947 A1 20020718; DE 60235611 D1 20100422; EP 1359384 A1 20031105; EP 1359384 A4 20060503; EP 1359384 B1 20100310; US 2004050540 A1 20040318

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