

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE

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EP 1359384 A4 20060503 (EN)

Application
EP 02729577 A 20020115

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• JP 0200196 W 20020115
• JP 2001007442 A 20010116
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Abstract (en)
[origin: WO02055947A1] A heat exchanger, comprising a tank (3) having tubes (21) for passing medium therethrough, an end plate (32) having tube insert holes (5) for connecting the tubes thereto, and a tank plate (31) connected to the end plate, wherein the tubes, end plate, and the tank are assembled and connected to each other by brazing in a heating furnace, the tank plate (31) is formed of plates having brazing materials (R1, R2) thereon, partition parts (311, 321) for prevention of outflow of brazing material having no brazing material thereon are provided on at least either of the tank plate (31) and end plate (32), the tank (3) comprises a partition plate (7) for partitioning the inside thereof, a brazing material is cladded on the inner surface of at least either of the tank plate (31) and the end plate (32), the partition plate (7) is formed of a bare material not cladded with the brazing material, and the end plate (32) is cladded with the brazing material on one face only and, at the time of brazing, the end parts of fins (4) are opposed to the face of the end plate (32) not cladded with the brazing material.

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CPC (source: EP US)
F28D 1/0391 (2013.01 - EP US); **F28F 9/0212** (2013.01 - EP US); **F28F 9/0224** (2013.01 - EP US)

Citation (search report)
• [A] EP 1046876 A2 20001025 - CALSONIC KANSEI CORP [JP]
• [A] FR 2786560 A1 20000602 - VALEO THERMIQUE MOTEUR SA [FR]
• [A] US 5107926 A 19920428 - CALLESON GERALD C [US]
• [A] US 5172761 A 19921222 - LYON PETER A [US]
• See references of WO 02055947A1

Cited by
EP1557631A3; DE102008017113A1; FR2873801A1; EP1557631A2

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DE FR

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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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