

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1310748 A3 20040102 (DE)

Application
EP 02023317 A 20021018

Priority
• DE 10154891 A 20011108
• DE 10229831 A 20020703

Abstract (en)
[origin: EP1310748A2] A collector (3) consisting of a tube (5) to which a tube piece (6) is brazed at the lower end (5a), is connected to a collecting tube (2) of the heat exchanger, by making collars (8,9) formed in the lower area of the collecting tube engaged with bores (10,11) formed in the tube piece. An extension (7a) of a cover (7) which seals an upper end (5b) of the collector is used to seal the upper end of the header. <??>Independent claims are also included for the following: <??>(1) manufacturing method of heat exchanger; and <??>(2) refrigerant condenser in vehicle air conditioning system.

IPC 1-7
F25B 39/04; **F28F 9/02**

IPC 8 full level
F25B 39/04 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)
F25B 39/04 (2013.01 - EP US); **F28F 9/0214** (2013.01 - EP US); **F25B 2339/044** (2013.01 - EP US); **F25B 2339/0442** (2013.01 - EP US); **F25B 2339/0446** (2013.01 - EP US); **F28F 2220/00** (2013.01 - EP US)

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• [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11 30 September 1998 (1998-09-30)
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 08 6 October 2000 (2000-10-06)
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