

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Échangeur de chaleur

Publication  
**EP 2110623 A1 20091021 (EN)**

Application  
**EP 08007506 A 20080417**

Priority  
EP 08007506 A 20080417

Abstract (en)  
[Problem] To provide a heat exchanger capable of simply detaching a liquid receiver from a liquid receiver attaching member and capable of interchanging a drying agent at low cost. [Means for Resolution] A heat exchanger includes a liquid receiver attaching member 6 bonded to a left header 2, a liquid receiver 7 fixed attachably and detachably to and from the liquid receiver attaching member 6, and a drying agent vessel 8 arranged at inside of the liquid receiver 7. An upper end portion of the liquid receiver attaching member 6 is provided with a male screw portion 27, and a lower end portion of the liquid receiver 7 is provided with a female screw portion 34 screwed together with the male screw portion 27, respectively. The drying agent vessel 8 is mounted onto the liquid receiver attaching member 6 and is contained at inside of the liquid receiver 7. An inner peripheral face of the liquid receiver 7 is provided with a vessel pressing portion 36 for pressing the drying agent vessel 8 to the liquid receiver attaching member 6 when the male screw portion 27 and the female screw portion 34 are screwed together. A lower end face of an outer peripheral face of a peripheral wall of the drying agent vessel 8 is formed with a ring-like groove 37. A guide groove 38 for passing the vessel pressing portion 36 of the liquid receiver 7 to guide from an upper end of the drying agent vessel 8 to the ring-like groove 37 is formed at a portion of the outer peripheral face of the peripheral wall of the drying agent vessel 8 upward from the ring-like groove 37.

IPC 8 full level  
**F25B 39/04** (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP)  
**F25B 39/04** (2013.01); **F25B 43/003** (2013.01); **F28F 9/0253** (2013.01); **F25B 2339/0441** (2013.01)

Citation (applicant)

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- JP H11211276 A 19990806 - SHOWA ALUMINUM CORP

Citation (search report)

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- [A] US 2002124593 A1 20020912 - YAMAZAKI KEIJI [JP], et al
- [A] US 2007227959 A1 20071004 - SINUR RICHARD R [US], et al
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- [A] EP 1437562 A2 20040714 - HANSA METALLWERKE AG [DE]
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

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