

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1319907 A3 20030702 (EN)**

Application  
**EP 02258119 A 20021126**

Priority  
JP 2001381196 A 20011214

Abstract (en)  
[origin: EP1319907A2] A heat exchanger (1) has a first header pipe (3), second header pipe (2), a plurality of tubes (4), and a plurality of fins (5). The first header pipe (3) and a second header pipe (2) are provided in a row arrangement. The first header pipe (3) has a desiccant member (12). The plurality of tubes (4) are provided in communication with the first header pipe (3) and the second header pipe (2). Both end of each tube (4) is inserted into the first header pipe (3) and the second header pipe (2), respectively. Each of the plurality of fins (5) is disposed between said tubes (4). A centre of cross-sectional area of the first header pipe (3) is offset toward one side of the heat exchanger (1) in an air flow direction, and an entire width of the end of each tube (4) is inserted into the first header pipe (3), such that a clearance is created between the end of each tube (4) and the desiccant member (12). <IMAGE>

IPC 1-7  
**F25B 39/04**; **F25B 43/00**; **B60H 1/32**; **F28F 9/02**

IPC 8 full level  
**B60H 1/32** (2006.01); **F25B 39/04** (2006.01); **F25B 43/00** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)  
**F25B 39/04** (2013.01); **F28F 9/02** (2013.01); **F25B 2339/0441** (2013.01); **F25B 2400/02** (2013.01)

Citation (search report)

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- [A] US 5896754 A 19990427 - BALTHAZARD PATRICK [FR], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10 30 November 1995 (1995-11-30)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1319907 A2 20030618**; **EP 1319907 A3 20030702**; CN 1424550 A 20030618; JP 2003185296 A 20030703

DOCDB simple family (application)  
**EP 02258119 A 20021126**; CN 02156193 A 20021216; JP 2001381196 A 20011214