

Title (en)  
Conduit for heat exchanger

Title (de)  
Strömungskanal für einen Wärmeaustauscher

Title (fr)  
Conduit pour échangeur de chaleur

Publication  
**EP 1500895 A3 20050406 (DE)**

Application  
**EP 04013324 A 20040605**

Priority  
DE 10333177 A 20030722

Abstract (en)  
[origin: EP1500895A2] A heat exchanger forming part of e.g. an air conditioning system has a duct with an array of vortex generators. The vortex generators are either dimples embedded in the duct wall, or are mutually supporting sheet aluminium panels inserted in the duct and bearing dimpled vortex generators.

IPC 1-7  
**F28F 3/04**; **F28F 1/40**; **F28F 3/12**

IPC 8 full level  
**F28F 1/40** (2006.01); **F28F 3/04** (2006.01); **F28F 3/12** (2006.01)

CPC (source: EP US)  
**F28F 1/40** (2013.01 - EP US); **F28F 3/044** (2013.01 - EP US); **F28F 3/12** (2013.01 - EP US)

Citation (search report)

- [X] WO 0016029 A1 20000323 - HITACHI LTD [JP], et al
- [PX] US 2004011515 A1 20040122 - MATSUSHIMA HITOSHI [JP]
- [A] DE 4340378 A1 19940601 - ZEXEL CORP [JP]
- [A] EP 1114976 A2 20010711 - ALSTOM POWER SCHWEIZ AG [CH]
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13 5 February 2001 (2001-02-05)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 04013324 A 20040605**; DE 10333177 A 20030722; US 89520804 A 20040720