

Title (en)  
Heat exchanger tube

Title (de)  
Wärmetauscherrohr

Title (fr)  
Tube d'échangeur de chaleur

Publication  
**EP 1243884 A3 20021009 (EN)**

Application  
**EP 02075849 A 20020305**

Priority  
US 81450801 A 20010322

Abstract (en)  
[origin: EP1243884A2] A folded heat exchanger tube (10) of the type that is rigidified with a pair of abutted 90 degree walls (16) extending along the interior length thereof, so as to join the lower (12) and upper (14) walls thereof, has a separate inner web member (20) anchored and fixed inside between a pair of curved, out turned feet (18) on the abutted walls (16) and the inner surface of the lower wall (12). A widened and flattened central channel (24) in the web (20) is engaged by the under surfaces of the curved feet (18), and is approximately as wide as the total width of the tow feet (18). <IMAGE>

IPC 1-7  
**F28D 1/03**

IPC 8 full level  
**F28F 1/02** (2006.01); **F28D 1/03** (2006.01); **F28F 1/42** (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP US)  
**B21C 37/225** (2013.01 - EP US); **F28D 1/0391** (2013.01 - EP US); **F28F 3/025** (2013.01 - EP US)

Citation (search report)

- [Y] US 5934365 A 19990810 - RHODES EUGENE E [US], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 14 5 March 2001 (2001-03-05)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09 31 October 1995 (1995-10-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15 6 April 2001 (2001-04-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09 13 October 2000 (2000-10-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)

Cited by  
DE102014200708A1; FR2972523A1; FR2962203A1; CN111623650A; DE102005043093A1; CN104807357A; US2016356555A1; US10113813B2; FR2962202A1; EP1445570A3; EP3134696A4; EP1684041A1; FR2881218A1; FR3062901A1; DE102017208210A1; CN110382990A; FR2962204A1; FR2980739A1; CN103080686A; EP2725317A1; US10145623B2; DE102011085935A1; US10987720B2; WO2006015029A3; US8387686B2; US7487589B2; DE102012211350A1; US10267572B2; WO2012000779A3; WO2012000842A3; WO2013050382A1; EP1445570B1

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