

Title (en)
Flat tubes heat exchanger and fabricating process associated

Title (de)
Flachrohr-Wärmeübertrager sowie Herstellungsverfahren hierfür

Title (fr)
Echangeur de chaleur à tubes plats et procédé de fabrication

Publication
EP 1321734 A1 20030625 (DE)

Application
EP 02020114 A 20020907

Priority

- DE 10234319 A 20020726
- DE 10149754 A 20011002
- DE 10213193 A 20020325

Abstract (en)
Flat pipe heat exchanger comprises at least one collecting tube (211) and a number of flat pipe elements (209) connected to the collecting tube. Each flat pipe element has at least one torsion region. Two adjacently arranged flat pipe elements are joined together in a form-locking manner. <??>An Independent claim is also included for a process for manufacturing flat pipe elements for the above flat pipe heat exchanger. Preferred Features: Each flat pipe element has two torsion regions. Each torsion region is arranged adjacent to one of the collecting tubes.

Abstract (de)
Die Erfindung betrifft einen Flachrohr-Wärmeübertrager mit mindestens einem Sammelrohr (211; 221) und einer Mehrzahl von Flachrohr-Elementen (7; 11; 101; 209), die mit dem Sammelrohr (211; 221) verbunden sind, wobei jedes Flachrohrelement (7; 11; 101; 209) mindestens einen Torsionsbereich aufweist, wobei zwei benachbart angeordnete Flachrohr-Elemente (7; 11; 101; 209) miteinander stoffschlüssig verbunden sind, sowie ein Verfahren zu dessen Herstellung. <IMAGE>

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F28D 1/047; F28F 9/02

IPC 8 full level
F28D 1/047 (2006.01); **F28F 1/02** (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01)

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Citation (search report)

- [XA] FR 2793013 A1 20001103 - VALEO THERMIQUE MOTEUR SA [FR]
- [A] EP 0845647 A1 19980603 - BEHR GMBH & CO [DE]

Cited by
CN114393378A; CN112756926A; WO2015014255A1; EP1459025B1

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