

Title (en)

HEAT EXCHANGER ELEMENT AND METHOD AND DEVICE FOR PRODUCING SAME.

Title (de)

WÄRMETAUSCHELEMENT, VERFAHREN UND VORRICHTUNG ZU DESSEN HERSTELLUNG.

Title (fr)

ELEMENT ECHANGEUR DE CHALEUR, PROCEDE ET DISPOSITIF POUR LE FABRIQUER.

Publication

EP 0678186 A1 19951025 (FR)

Application

EP 94904677 A 19940114

Priority

- FR 9400047 W 19940114
- FR 9300498 A 19930115

Abstract (en)

[origin: WO9416272A1] A heat exchanger element consisting of a helically wound tube (1) for a flow of liquid heat transfer medium. The element has a flattened oval cross-section with its long axis substantially perpendicular to the helical axis (XX') or at an acute angle thereto, each tube turn (10) having plane surfaces (11) spaced apart from the adjacent turn surface by a gap having a constant height (h) which is substantially smaller than the width of the flattened tube cross-section. Braces (12) are provided for setting the spacing between the turns. Said element is useful for exchanging heat between two fluids.

IPC 1-7

F24H 1/43; **B21D 53/06**; **F28D 7/02**; **F28F 1/02**

IPC 8 full level

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Citation (search report)

See references of WO 9416272A1

Cited by

WO2011092332A1; EP1752718A1; DE102016215210A1; EP2187138A3; FR2955929A1; EP2295913A3; AU2010212319B2; DE102021120235A1; EP3220073A1; US9134037B2; EP1703227A2; WO2005028966A1; FR2846075A1; EP1279903A2; US7836942B2; WO2012123301A1; WO2016001852A1; US9476610B2; WO2004036121A1; EP2187138A2; DE102008056994A1; WO2010100004A1; US8978638B2; US9816726B2

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