

Title (en)
Heat-exchange arrangement.

Title (de)
Wärmeaustauschanlage.

Title (fr)
Installation d'échange de chaleur.

Publication
EP 0194575 A1 19860917 (DE)

Application
EP 86102916 A 19860305

Priority
CH 116785 A 19850315

Abstract (en)
[origin: ES8703009A1] A heat exchanger unit comprises a support on which is positioned a plurality of stays mounted at spaced locations. A horizontally extending bracket is secured to each of the stays and a plurality of connected heat exchanger plates are suspended from their upper ends from the brackets. The plates have heat media carrying channels which are joined together. The support advantageously comprises a steel ring to which the brackets are attached and which extend radially inwardly also radially outwardly. The heat exchanger plates are rectangularly shaped and are suspended from each bracket so that it hangs freely downwardly. Wire guards extend between the plates to prevent them from deflecting and contacting each other. The construction permits the elimination of spaced support elements which interfere with free heat exchange flow between the plates.

Abstract (de)
An den oberen Enden vertikaler Stützen (1) ist ein Stahlring (2) befestigt, an welchem sowohl radial einwärts als auch radial auswärts ragende Tragarme (5) befestigt sind. An jedem Tragarm (5) ist eine rechteckförmige Wärmetauscherplatte (6) mit ihrem oberen Schmalrand frei nach unten hängend aufgehängt. Zwischen die Platten (6) ragende Drahtbügel (10) verhindern z.B. unter Windeinfluss auftretendes Durchbiegen, Ausschwenken und gegenseitiges Berühren der Platten. Gegenseitige, den freien Durchlass zwischen den Platten störende Abstützmittel, wie sie bei Plattenstapeln notwendig sind, fallen weg.

IPC 1-7
F28F 3/12; **F28F 21/06**

IPC 8 full level
F28C 1/00 (2006.01); **F28D 9/00** (2006.01); **F28F 9/007** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP US)
F28D 9/0018 (2013.01 - EP US); **F28F 9/0075** (2013.01 - EP US); **F28F 21/065** (2013.01 - EP US); **Y10S 165/90** (2013.01 - EP US)

Citation (search report)

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- [Y] US 3842904 A 19741022 - GARDENIER H
- [Y] US 2764476 A 19560925 - ETTER JOSEPH A
- [A] DE 2943010 A1 19800508 - GARRETT CORP
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- [A] NL 8003452 A 19820104 - GRASSO KONINKL MASCHF

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 86102916 A 19860305; CH 116785 A 19850315; ES 553056 A 19860314; JP 5520886 A 19860314; US 83935786 A 19860313