

Title (en)
HEAT EXCHANGER

Publication
EP 0223995 A3 19870930 (DE)

Application
EP 86114069 A 19861010

Priority
• DE 8530313 U 19851025
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Abstract (en)
[origin: US4738311A] A heat exchanger for use for example in a laundry dryer comprises a plurality of plates defining flow passages therebetween for a first heat exchange medium. Each plate is made up of a plurality of aluminum elements having mutually co-operating positive and negative profilings at their narrow sides, to fit snugly together. The plates are held at a spacing from each other in grooves in end wall members forming a holding assembly. A second heat exchange medium flows through the hollow interiors of the elements making up the plates. The hollow interiors have web portions therein, to enhance heat flow between the first and second heat exchange media.

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IPC 8 full level
F28D 9/00 (2006.01); **F28D 9/02** (2006.01); **F28F 3/12** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP US)
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F28F 2275/025 (2013.01 - EP US)

Citation (search report)
• [X] DE 1501548 A1 19690904 - KOBE STEEL LTD
• [Y] EP 0044561 A2 19820127 - MUANYAGIPARI KUTATO INTEZET [HU]
• [Y] FR 2297396 A2 19760806 - UNELEC [FR]
• [Y] FR 2339830 A1 19770826 - ALSTHOM CGEE [FR]
• [A] DE 3034365 A1 19820429 - CONTINENTAL GUMMI WERKE AG [DE]
• [A] DE 3137296 A1 19830414 - SCHULZE BERGE OTTO, et al
• [A] DE 2547374 A1 19760429 - VMW RANSHOFEN BERNDORF AG

Cited by
US11585605B2; EP0336407A1; DE4029096A1; DE4029096C2; US11885573B2; US11920517B2; EP0874210A2

Designated contracting state (EPC)
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US 4738311 A 19880419; DE 3668370 D1 19900222; EP 0223995 A2 19870603; EP 0223995 A3 19870930; EP 0223995 B1 19900117

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