

Title (en)  
Fin for heat exchanger

Title (de)  
Rippe für Wärmetauscher

Title (fr)  
Ailette pour échangeur de chaleur

Publication  
**EP 1028303 A1 20000816 (DE)**

Application  
**EP 99102936 A 19990213**

Priority  
EP 99102936 A 19990213

Abstract (en)  
The ribs for a heat exchanger, as flat or corrugated ribs, have opening in one or more rows to take the heat exchanger tubes. Metal wires (7) are positioned at the edges of the strip material (5), drawn from supply bobbins (6) in a synchronized movement with the strip edge folding actions. The wires (7) are laid in the folded edges, and are cut with the finished ribs (10), to remain within their folded edges.

IPC 1-7  
**F28F 1/32**; **B21D 53/08**

IPC 8 full level  
**B21D 49/00** (2006.01); **B21F 15/10** (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP)  
**B21D 49/00** (2013.01); **B21F 15/10** (2013.01); **F28F 1/32** (2013.01); **F28F 2225/06** (2013.01)

Citation (applicant)  
• US 1752879 A 19300401 - ANDERSON EDWARD L  
• EP 0547309 A1 19930623 - BEHR GMBH & CO [DE]

Citation (search report)  
• [A] US 4592420 A 19860603 - HUGHES GREGORY G [US]  
• [DA] US 1752879 A 19300401 - ANDERSON EDWARD L  
• [A] GB 523168 A 19400708 - SERCK RADIATORS LTD, et al  
• [A] GB 2088035 A 19820603 - SERCK INDUSTRIES LTD  
• [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 135 (M - 386) 11 June 1985 (1985-06-11)

Cited by  
DE102004060795A1; DE102008031612A1; EP1672305A1; EP3764049A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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