

Title (en)  
LOW PROFILE HEAT EXCHANGER AND METHOD OF MAKING THE SAME

Publication  
**EP 0055711 B1 19851009 (EN)**

Application  
**EP 81900865 A 19800707**

Priority  
US 8000857 W 19800707

Abstract (en)  
[origin: WO8200194A1] A low profile heat exchanger module (46) and method for forming the same wherein the heat exchanger module (46) is formed from one or more compact, single sheet primary surface heat exchanger core units (38a and 38b). Each single sheet primary surface core unit (38a and 38b) is made from a rectangular sheet of a suitable heat exchange material (10) which has been serrated along the longitudinal edges (18) to provide entrance ramps (20) and to minimize flow blockage. Fluid flow is controlled by closures (42, 44) in the ends of alternate flow passages (58, 64) which serve to isolate the fluid in one passage from the fluid in an adjacent passage.

IPC 1-7  
**F28F 3/00**; **F28D 9/00**

IPC 8 full level  
**B21D 53/04** (2006.01); **F28D 9/00** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP)  
**F28D 9/0025** (2013.01); **F28F 3/042** (2013.01)

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GB 2079437 A 19820120 - CATERPILLAR TRACTOR CO

Cited by  
DE4333904A1; DE19813119A1; EP1085273A1; EP0666973A1

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**WO 8200194 A1 19820121**; CA 1140531 A 19830201; DE 3071178 D1 19851114; EP 0055711 A1 19820714; EP 0055711 A4 19830609; EP 0055711 B1 19851009; JP S57500945 A 19820527

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**US 8000857 W 19800707**; CA 373159 A 19810317; DE 3071178 T 19800707; EP 81900865 A 19800707; JP 50129181 A 19800707