

Title (en)  
HEAT EXCHANGER AND METHOD OF FABRICATING IT

Publication  
**EP 0030072 B1 19831123 (EN)**

Application  
**EP 80303431 A 19800929**

Priority  
JP 15607079 A 19791130

Abstract (en)  
[origin: EP0030072A2] In a heat exchanger including a flat tube (3) made of metal, and corrugated fins (5) joined by welding to the tube (3), a multiplicity of projections (3A) are successively formed on one side of the flat tube (3) and arranged in a direction intersecting the axis of the tube (3). The projections (3A), which may be triangular, arcuate, trapezoidal or any other suitable shape in cross section, each extend by a distance less than the thickness of a wall of the tube (3).

IPC 1-7  
**F28F 1/08**; **F28D 1/02**

IPC 8 full level  
**F28F 1/30** (2006.01); **F28D 1/03** (2006.01); **F28D 1/053** (2006.01); **F28F 1/08** (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP)  
**F28D 1/0391** (2013.01); **F28D 1/05366** (2013.01); **F28F 1/08** (2013.01); **F28F 1/126** (2013.01); **F28D 2021/0096** (2013.01)

Cited by  
DE102008013018A1; DE102004045018B4; DE10127084B4; US5992514A; EP0773419A3; FR3126760A1; DE19758886B4; EP0162827A3; DE4446754A1; US5709028A; US7059399B2; FR2709816A1; EP0650023A1; EP0109393A4; DE102007008535A1; FR2906355A1; EP4206746A1; JP2023099516A; US5251692A; EP0519334A3; WO2007042182A1; US7347254B2; US6892806B2

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