

Title (en)

HEAT-EXCHANGER AND PROCESS FOR PRODUCING A LAMELLA FOR A HEAT-EXCHANGER

Publication

EP 0493665 A3 19921119 (DE)

Application

EP 91119203 A 19911112

Priority

DE 4042195 A 19901229

Abstract (en)

[origin: EP0493665A2] The invention relates to a heat exchanger having tubes (12) provided with a multiplicity of gills (32). It is proposed to introduce recesses (40, 41) into the gill (12) in the region of high temperatures. It is possible in this way to achieve a more uniform temperature distribution and as small as possible a maximum temperature difference on the gill. Furthermore, it is proposed for the purpose of producing the gill (32) to proceed from a standardised basic gill and to punch out recesses (40, 41, 48) subsequently for the purpose of matching to the performance of the heat exchanger within a range of heat exchangers, or of influencing the heat flux. <IMAGE>

IPC 1-7

F28F 1/32

IPC 8 full level

F28F 1/02 (2006.01); **F28F 1/32** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)

F28F 1/325 (2013.01); **F28F 9/26** (2013.01); **F28F 13/06** (2013.01)

Citation (search report)

- [AD] AT 391022 B 19900810 - VAILLANT GMBH [AT]
- [A] US 4738225 A 19880419 - JUANG JINN C [TW]
- [A] FR 2421355 A1 19791026 - THERMAL WAERME KAELTE KLIMA [DE]
- [A] GB 696380 A 19530826 - JUNKERS & CO

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0493665 A2 19920708; **EP 0493665 A3 19921119**; **EP 0493665 B1 19950913**; **EP 0493665 B2 19980415**; DE 4042195 A1 19920702; DE 59106481 D1 19951019; ES 2077142 T3 19951116; ES 2077142 T5 19980616; PT 99947 A 19931130; PT 99947 B 19990531

DOCDB simple family (application)

EP 91119203 A 19911112; DE 4042195 A 19901229; DE 59106481 T 19911112; ES 91119203 T 19911112; PT 9994791 A 19911227