

Title (en)  
Heat exchangers

Title (de)  
Wärmetauscher

Title (fr)  
Echangeurs de chaleur

Publication  
**EP 0825406 A2 19980225 (EN)**

Application  
**EP 97306110 A 19970812**

Priority  
GB 9616956 A 19960813

Abstract (en)  
To reduce the migration of condensate formed on the fins (18) of a condensing gas boiler, the fins are inclined downwardly in a direction away from the combustion chamber (10) of an angle of between 2 DEG and 20 DEG to the horizontal. An excess inward migration of condensate can lead to a build up of corrosion products on the inner edges (32) of the fins which may fall into the combustion chamber and disrupt the operation of the boiler. During manufacture, the heat exchange tubes 1 on which the fins are mounted are staggered relative to each other such that the alignment of the tubes inclines the fins at the desired angle. <IMAGE>

IPC 1-7  
**F28F 13/04**; **F28F 1/32**; **F28F 1/24**

IPC 8 full level  
**F28F 1/24** (2006.01); **F28F 1/32** (2006.01); **F28F 1/34** (2006.01); **F28F 17/00** (2006.01)

CPC (source: EP)  
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Citation (applicant)  
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Cited by  
CN114459142A; US2018164046A1; US10408549B2; FR3049048A1; CN109477700A; CN103503210A; EP2705561A4; WO2017162966A1; EP0937952A2; US9634337B2

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