

Title (en)
Heat exchangers

Title (de)
Wärmetauscher

Title (fr)
Echangeurs de chaleur

Publication
EP 0825406 A3 19990310 (EN)

Application
EP 97306110 A 19970812

Priority
GB 9616956 A 19960813

Abstract (en)
[origin: EP0825406A2] 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)
F28F 1/24 (2013.01); **F28F 1/32** (2013.01); **F28F 1/34** (2013.01); **F28F 17/005** (2013.01)

Citation (search report)
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• [A] FR 2545585 A1 19841109 - LAURENT FRANCOIS [FR]
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• [XY] PATENT ABSTRACTS OF JAPAN vol. 010, no. 073 (M - 463) 22 March 1986 (1986-03-22)

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