

Title (en)
HEAT EXCHANGE APPARATUS

Publication
EP 0033229 B1 19841212 (EN)

Application
EP 81300296 A 19810122

Priority
• GB 8002879 A 19800129
• GB 8017672 A 19800520

Abstract (en)
[origin: EP0033229A2] A heat exchange apparatus for removing residual heat from a domestic or small commercial boiler has three heat exchange vessels 12,14,16 which contain water to be heated by the the flue gas. Provision is made for draining out condensation which may form in the apparatus: condensation forming on these cooled vessels 12,14,16 falls or is guided onto a base 80 shaped so that condensate drains out through an outlet 84 provided. A reversal 90 in the direction of flue gas proximate the base of vessels 14 and 16 promotes deposition of fly ash. Deposited fly ash can be removed through a door 92. The apparatus is made from steel plate. To protect it against corrosion caused by sulphur acids contained in the flue gas, and which dissolve in the condensation, its inner casing is dip-coated with a thermosetting synthetic resin paint curable by stoving.

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F28D 21/00

IPC 8 full level
F28D 21/00 (2006.01)

CPC (source: EP)
F28D 21/0007 (2013.01)

Citation (examination)
• FR 2321094 A1 19770311 - RHEEM BV [NL]
• DE 2758181 A1 19790705 - SCHAKO METALLWARENFABRIK
• FR 2293674 A1 19760702 - FORISSIER BOUILHOL GERMAIN [FR]
• DE 738121 C 19430804 - FERDINAND KILLEWALD
• FR 2426233 A1 19791214 - VAILLANT SARL [FR]
• FR 1440745 A 19660603
• NL 7612508 A 19780512 - VEG GASINSTITUUT NV

Cited by
EP0057095A3; GB2134233A; GB2149484A

Designated contracting state (EPC)
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