

Title (en)
HEAT EXCHANGER WITH DOUBLE ENVELOPE

Publication
EP 0022025 B1 19840125 (FR)

Application
EP 80400957 A 19800625

Priority
FR 7916196 A 19790625

Abstract (en)
[origin: EP0022025A2] 1. Double envelope heat exchanger for a composite hot water boiler in which hot gases (G) are produced and conducted so as to heat two tubular circuits serving respectively for the circulation of drawn water (L1) and for the circulation of heating water (L2), characterized in that the two circuits comprise two independent networks of tubes (12, 22) formed in known manner by triple walls (1) which themselves comprise two corrugated metal sheets (10, 20) fixed to one another by an intermediate common wall (2), the pitch of the corrugations (11) corresponding to the drawn water being smaller than the pitch of the corrugations (21) corresponding to the heating water, and the assembly being arranged so that the hot gases flowing along the outside of the triple walls circulate in counter-current relative to the water to be heated circulating inside these walls.

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F28F 3/12

IPC 8 full level
F28D 9/00 (2006.01); **F28F 3/12** (2006.01)

CPC (source: EP)
F28D 9/0093 (2013.01); **F28F 3/02** (2013.01); **F28F 3/12** (2013.01)

Cited by
US4996950A; FR2988823A1; FR2657422A1; EP1134535A1; CN102278903A; EP2639541A1; CN104169672A; AU2013234306B2; US6435270B2; US9939211B2; WO2013135813A3

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