

Title (en)  
Heat production arrangement

Title (de)  
Anordnung zur Wärmezeugung

Title (fr)  
Arrangement pour produire de la chaleur

Publication  
**EP 1170557 A3 20030730 (EN)**

Application  
**EP 01660119 A 20010621**

Priority  
FI 20001588 A 20000703

Abstract (en)  
[origin: EP1170557A2] The present invention relates to a heat production arrangement for heating service water. Such an arrangement comprises a burner for producing hot gases, a boiler part (1) including a combustion chamber (3) and heat exchange means (5, 5a, 6) for receiving the gases and a condenser (2) fixedly fastened on top of the boiler part for recovering heat energy from the gases. The structure of the boiler part according to the invention is substantially cylindrical so that a main axis (7) in the boiler part is arranged in a substantially vertical direction. The heat exchange means (5, 5a, 6) in the boiler part include radiator vessels (5, 5a) and tap water vessels (6) for receiving and circulating the service water, and the vessels comprise envelope surfaces, which are at least partly in direct contact with the gases. The structure of these vessels substantially comprises cylinders and/or ring-shaped cylinders, and the radiator vessels are thus at least partly connected to one another. <IMAGE>

IPC 1-7  
**F24H 1/10**

IPC 8 full level  
**F24H 1/10** (2006.01)

CPC (source: EP)  
**F24H 1/107** (2013.01)

Citation (search report)

- [Y] EP 0097631 A2 19840104 - JOHANSSON ULF
- [Y] GB 2062196 A 19810520 - WARMINGHOUSE SRL
- [A] US 3994281 A 19761130 - GODART JOSEPH RAOUL
- [A] FR 2543663 A1 19841005 - CENTRE TECH IND AERAULIQ [FR]
- [A] US 4017277 A 19770412 - VAN DYKE SR BINGHAM H, et al
- [A] US 4031862 A 19770628 - SMITH FRANK J

Cited by  
WO2016135764A1

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