

Title (en)
Boiler

Title (de)
Heizkessel

Title (fr)
Chaudière

Publication
EP 0745805 A3 19970806 (DE)

Application
EP 96108648 A 19960530

Priority
DE 19519963 A 19950531

Abstract (en)
[origin: EP0745805A2] A deflector wall (30) is inserted between the first part (11) of the water chamber (8) and the furnace insert (7). The inner casing surface of the deflector wall defines the branch duct (40) on the outside and its outer casing surface defines the second section (17) of the flue gas duct (15) on the inside. The second section is defined by the inner wall (12) of the first part of the water chamber. The water chamber is made of a single casting, esp. grey cast iron. The furnace insert and or the deflector wall is made of esp. circular cross-sectioned steel piping. The inner walls (10,12) of parts (9,11) of the water chamber have ridges (28,29) protruding from them into the adjacent part (16,17) of the flue gas duct (15).

IPC 1-7
F23C 9/08; **F23M 9/06**; **F24H 1/28**

IPC 8 full level
F23C 9/08 (2006.01); **F23M 9/06** (2006.01); **F24H 1/26** (2006.01); **F24H 1/28** (2006.01)

CPC (source: EP)
F23C 9/08 (2013.01); **F23M 9/06** (2013.01); **F24H 1/263** (2013.01); **F23M 2900/09062** (2013.01)

Citation (search report)

- [AD] EP 0387859 A2 19900919 - PC PATENTCONSULT AG [CH]
- [A] EP 0347797 A1 19891227 - YGNIS HOLDING AG [CH]
- [A] DE 3601000 A1 19870619 - VAILLANT JOH GMBH & CO [DE]
- [A] DE 3628293 A1 19880225 - WOLF KLIMATECHNIK GMBH [DE]
- [A] DE 4304057 A1 19940818 - FROELING KESSEL APP [DE]

Cited by
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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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