

Title (en)

Boiler with an insert having cups in the gas tube

Title (de)

Kessel mit Verdrängungskörper mit Schalen im Rauchgasrohr

Title (fr)

Chaudière comportant un insert muni de coupelles placé dans le tube de chauffe

Publication

**EP 1674805 A1 20060628 (FR)**

Application

**EP 05292762 A 20051221**

Priority

FR 0413667 A 20041221

Abstract (en)

The boiler has a heating unit (1) with a tubular water jacket (2) separated from a heating tube (3) by a cylindrical wall (4). A burner (5) producing peripheral flames (6) is plunged in the tube. An insert (7) is vertically placed inside the tube, and has four cups (9-12) forming baffle system. The cups are placed in contact with the wall, where the cups (9, 10) present central opening.

IPC 8 full level

**F24H 1/26** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)

**F24H 1/263** (2013.01); **F24H 9/0026** (2013.01)

Citation (applicant)

- EP 0981024 A2 20000223 - HOVAL INTERLIZ AG [LI]
- EP 0191147 A1 19860820 - HOVAL INTERLIZ AG [LI]

Citation (search report)

- [A] DE 19510612 A1 19960926 - BROETJE AUGUST GMBH & CO [DE]
- [A] FR 2723632 A1 19960216 - YSWIL VERWARMINGSTECH BV [NL]
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 068 (M - 201) 19 March 1983 (1983-03-19)

Citation (examination)

EP 0191147 A1 19860820 - HOVAL INTERLIZ AG [LI]

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