

Title (en)  
BOILER

Publication  
**EP 0340859 B1 19920923 (EN)**

Application  
**EP 89201098 A 19890427**

Priority  
NL 8801131 A 19880429

Abstract (en)  
[origin: EP0340859A1] Boiler for extraction by combustion from random flammable material of thermal energy with a flow duct comprising an exhaust device connected to an outlet side of the duct, a first cylindrical combustion chamber (4) close to the intake side, a second cylindrical combustion chamber (5) connected to the first combustion chamber via a connecting duct portion whereby the connecting duct portion runs out tangentially into the second combustion chamber, and additional air supply means (11) for supplying additional combustion air into the second combustion chamber. The first and second combustion chambers are arranged coaxially and are separated from one another by a first dividing wall (6) comprising in the upper portion a tangential passage opening (7), a discharge chamber (10) with a discharge on the periphery connects onto the second combustion chamber via a second dividing wall (8) with a central passage opening (9), and the additional air supply means comprise an air supply pipe debouching into the discharge chamber at a distance opposite the central passage opening and having a smaller diameter than the passage opening.

IPC 1-7  
**F22B 31/00**; **F23B 1/08**; **F23B 5/04**; **F23G 5/16**

IPC 8 full level  
**F22B 31/00** (2006.01); **F23G 5/16** (2006.01); **F23G 7/00** (2006.01)

CPC (source: EP)  
**F23B 5/04** (2013.01)

Cited by  
EP0525711A3; DE4033406A1; EP0482306A3; EP0905442A3

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