

Title (en)  
Boiler

Title (de)  
Heizkessel

Title (fr)  
Chaudière

Publication  
**EP 2515036 A3 20171025 (DE)**

Application  
**EP 12164206 A 20120416**

Priority  
DE 102011017475 A 20110419

Abstract (en)  
[origin: EP2515036A2] The boiler has a heating medium guiding a tank body (1), a filling chamber (2) for fuel with an upper or lateral filling opening (3) and a combustion grate (4) with an ash box (5) arranged below the combustion grate. The combustion gases or the secondary air enters in a swirl chamber (7) in the vicinity of the front side in the radial direction from outside. The swirl chamber has a cross-section in the area of the mouth for the combustion gases on the opposite side of the front side.

IPC 8 full level  
**F23B 10/02** (2011.01); **F23B 30/00** (2006.01); **F23B 80/04** (2006.01)

CPC (source: EP)  
**F23B 5/04** (2013.01); **F23B 10/02** (2013.01); **F23B 60/02** (2013.01); **F23B 80/04** (2013.01); **F23C 3/006** (2013.01); **F23L 9/04** (2013.01); **F24B 5/025** (2013.01)

Citation (search report)

- [XDI] DE 19510263 A1 19950928 - TIBA AG [CH]
- [XI] DE 29605801 U1 19960627 - FISCHER GEORG GMBH & CO [DE]
- [XI] DE 3147410 A1 19820722 - COAL INDUSTRY PATENTS LTD [GB]
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Cited by  
ES2791575A1; CN104930517A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2515036 A2 20121024; EP 2515036 A3 20171025**; DE 102011017475 A1 20121025; DE 202011110125 U1 20121206

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**EP 12164206 A 20120416**; DE 102011017475 A 20110419; DE 202011110125 U 20110419