

Title (en)  
BOILER STRUCTURE

Title (de)  
KESSELSTRUKTUR

Title (fr)  
STRUCTURE DE CHAUDIÈRE

Publication  
**EP 2233833 B1 20181024 (EN)**

Application  
**EP 08765748 A 20080619**

Priority  
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• JP 2008012503 A 20080123

Abstract (en)  
[origin: EP2233833A1] A boiler structure capable of efficiently alleviating or preventing corrosion and slagging on furnace walls in a furnace is provided. A circulating firing boiler structure is configured so that fuel and combustion air supplied into a furnace (11) from burners (12) disposed at a plurality of positions on furnace walls (11a) forming a rectangular cross section are combusted so as to form a swirling flow. Air-supplying parts (20) are disposed near flame-affected portions of furnace wall surfaces, where flames formed by the respective burners (12) approach or contact, to form regions having a higher air concentration than the peripheries thereof.

IPC 8 full level  
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CPC (source: EP US)  
**F22B 21/00** (2013.01 - EP US); **F23C 5/28** (2013.01 - EP US); **F23C 5/32** (2013.01 - EP US); **F23C 6/045** (2013.01 - EP US); **F23C 7/04** (2013.01 - EP US); **F23L 9/00** (2013.01 - EP US)

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