

Title (en)  
BOILER STRUCTURE

Title (de)  
KESSELSTRUKTUR

Title (fr)  
STRUCTURE DE CHAUDIÈRE

Publication  
**EP 2233833 A1 20100929 (EN)**

Application  
**EP 08765748 A 20080619**

Priority  
• JP 2008061193 W 20080619  
• JP 2008012503 A 20080123

Abstract (en)  
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  
**F23L 9/00** (2006.01); **F22B 21/00** (2006.01); **F23C 5/28** (2006.01); **F23C 5/32** (2006.01); **F23C 6/04** (2006.01); **F23C 7/04** (2006.01)

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**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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