Title (en)

BOILER STRUCTURE

Title (de)

KESSELSTRUKTUR

Title (fr)

STRUCTURE DE CHAUDIÈRE

Publication

EP 2233833 A4 20160413 (EN)

Application

EP 08765748 A 20080619

Priority

- JP 2008061193 W 20080619
- 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

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)

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)

Citation (search report)

- [XYI] EP 0915290 A1 19990512 - STEINMUELLER GMBH L & C [DE]
- [Y] JP 2002323215 A 20021108 - ISHIKAWAJIMA HARIMA HEAVY IND
- See references of WO 2009093347A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

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