

Title (en)  
DOUBLE-FUELLED TUBELESS BOILER WITH TWO COMBUSTION CHAMBERS

Title (de)  
SCHLAUCHLOSER BOILER MIT DOPPELANTRIEB UND ZWEI VERBRENNUNGSKAMMERN

Title (fr)  
CHAUDIERE SANS TUBE UTILISANT DEUX COMBUSTIBLES ET POURVUE DE DEUX CHAMBRES DE COMBUSTION

Publication  
**EP 1815184 B1 20090311 (EN)**

Application  
**EP 05776149 A 20050630**

Priority  
• TR 2005000029 W 20050630  
• TR 200401596 A 20040630

Abstract (en)  
[origin: WO2006004563A1] The new boiler that is subject of the present invention to be used instead of existing solid, liquid, and gas fuelled boilers has been particularly designed to burn solid fuel and liquid fuel or natural gas at the same time, with a high efficiency and it has a different construction from the existing boilers with its improved fully automated grate system driven by engine with reducer that enables continuous coal feed and clinker flow, with its automated lime-fed dry desulphurization system adjustable according to sulphur content ratio in coal, with its special combustion chamber to burn liquid and gas fuels independent from the solid fuel burning chamber, and with its special tubeless design that enables heat transfer via conduction and induction in addition to the radiation based heat transfer, and it is a new type double-fuelled boiler with special tubeless design, which burns coal with fully automated feeding and great ease of operation and without smoke, and which can reduce sulphur dioxide emission thanks to its dry desulphurization system.

IPC 8 full level  
**F23B 10/00** (2011.01); **F23B 50/04** (2006.01); **F23C 1/02** (2006.01); **F23C 1/04** (2006.01); **F23J 1/06** (2006.01); **F24H 1/46** (2006.01)

CPC (source: EP)  
**F23B 1/08** (2013.01); **F23B 1/12** (2013.01); **F23B 1/16** (2013.01); **F23B 10/00** (2013.01); **F23J 1/06** (2013.01); **F24H 1/46** (2013.01); **F23K 2201/505** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006004563 A1 20060112**; AT E425417 T1 20090315; CN 101002055 A 20070718; DE 602005013273 D1 20090423; EA 009160 B1 20071026; EA 200700197 A1 20070629; EP 1815184 A1 20070808; EP 1815184 B1 20090311; EP 1815184 B8 20131211; TR 200401596 A2 20060123

DOCDB simple family (application)  
**TR 2005000029 W 20050630**; AT 05776149 T 20050630; CN 200580025221 A 20050630; DE 602005013273 T 20050630; EA 200700197 A 20050630; EP 05776149 A 20050630; TR 200401596 A 20040630