

Title (en)

METHOD OF AND DEVICE FOR BURNING PULVERULENT FUEL IN A BOILER PLANT

Publication

**EP 0213512 A3 19880824 (DE)**

Application

**EP 86111302 A 19860815**

Priority

DE 3529615 A 19850819

Abstract (en)

[origin: EP0213512A2] Method and device for charging and burning waste wood or the like in a boiler plant. With the invention, a furnace is to be provided, which is either positioned before a boiler, a heat exchanger or the like, or is integrated into a boiler, the combustion chamber of the furnace being intended to achieve turbulent combustion with temperatures of more than 1200 to 1500 DEG C. This is achieved in that a dust/air mixture is blown into the combustion chamber tangentially, is brought into turbulence here, the heated air then being conducted into an expansion chamber of the boiler. The fuel, for example wood chips, is ground into dust in a mill and is temporarily stored in a storage container. By means of a metering screw situated in the storage container, the material is conveyed uniformly into a chute and from there introduced tangentially into the preheated turbulent combustion chamber by means of a transport fan. The dust/air mixture ignites on the preheated refractory concrete block and a complete combustion is made possible by secondary air supplied. <IMAGE>

IPC 1-7

**F23G 7/10**; **F23C 5/32**; **F23C 3/00**; **F23L 9/00**; **F23K 3/02**

IPC 8 full level

**F23C 3/00** (2006.01); **F23K 3/02** (2006.01); **F23L 9/00** (2006.01); **F23M 5/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

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