

Title (en)  
PROCESS FOR OPERATING A COMBUSTION PLANT OF A COAL-FIRED POWER STATION WITH SLAG TAP FIRING AND COMBUSTION PLANT OPERATING THUS

Title (de)  
VERFAHREN ZUM BETREIBEN EINER VERBRENNUNGSANLAGE EINES KOHLEKRAFTWERKES MIT SCHMELZKAMMERFEUERUNG SOWIE DANACH ARBEITENDE VERBRENNUNGSANLAGE

Title (fr)  
PROCEDE DE FONCTIONNEMENT D'UNE INSTALLATION DE COMBUSTION D'UNE USINE THERMIQUE A HOUILLE AVEC CHAUFFE AU CHARBON PULVERISE A FUSION DE CENDRES ET INSTALLATION DE COMBUSTION FONCTIONNANT AINSI

Publication  
**EP 0858495 A1 19980819 (DE)**

Application  
**EP 96929184 A 19960912**

Priority  
• DE 9601721 W 19960912  
• DE 19534558 A 19950918

Abstract (en)  
[origin: US6067914A] A method of operating a combustion unit of a coal-fired power plant operating according to a slag tap furnace firing method, which includes supplying a titanium-containing material in addition to coal to a melting chamber for accelerating coal burn-up, burning the titanium-containing material together with the coal in the melting chamber at a temperature above 1500 DEG C., and generating fly ash and molten ash as a result of combustion in the melting chamber. Additionally, a combustion unit for a coal-fired power plant, including a melting chamber that has a combustion zone for receiving coal. The combustion zone produces fly ash. The combustion unit also includes a separate feed line for supplying a titanium-containing material to the combustion zone for accelerating burn-up of the coal and a second separate feed line first to supply a titanium-containing material to the fly ash and then supply the titanium-containing material and fly ash combination to the combustion zone for accelerating burn-up of the coal and fly ash.

IPC 1-7  
**C10L 9/10; C10L 10/00**

IPC 8 full level  
**C10L 9/10** (2006.01); **C10L 10/00** (2006.01); **C10L 10/02** (2006.01); **F23C 13/08** (2006.01); **F23J 7/00** (2006.01)

CPC (source: EP KR US)  
**C10L 9/10** (2013.01 - KR); **C10L 10/00** (2013.01 - EP KR US); **C10L 10/02** (2013.01 - EP US); **F23B 5/02** (2013.01 - EP US); **F23J 7/00** (2013.01 - EP US); **Y10S 44/905** (2013.01 - EP US)

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