

Title (en)

Method and system for handling exhaust gas in a boiler

Title (de)

Verfahren und Anlage für die Behandlung von Abgas in einem Heizkessel

Title (fr)

Procédé et installation pour le traitement des gaz d'échappement dans une chaudière

Publication

**EP 0498020 B1 19960717 (EN)**

Application

**EP 91101801 A 19910208**

Priority

JP 20459189 A 19890809

Abstract (en)

[origin: EP0498020A1] In a coal-fired boiler (1), a heat recovery unit (2,3a) is located upstream of a dry electrostatic precipitator (4) so as to reduce the temperature of exhaust gas at the inlet of the dry electrostatic precipitator (4) and thus, prevent reverse ionization in the electrostatic precipitator (4). The heat recovery unit (2,3a) located upstream of the dry electrostatic precipitator will in no way be corroded even if the concentration of dust is reduced in the dry electrostatic precipitator (4). The desulfurization unit (5) does not require a cooling/dust removing section and eliminates the need for a wet electrostatic precipitator. The dry electrostatic precipitator (4) includes a gas passage divided into a plurality of parallel passages and dampers (15,16) operable to close the passages. This arrangement prevents dust from being dispersed as a result of hammering without charge.  
<IMAGE>

IPC 1-7

**F23J 15/00**; **B03C 3/01**; **B03C 3/74**

IPC 8 full level

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DE4306228A1; EP0923978A1; US6149713A; US6328094B1

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