

Title (en)

DEVICE AND METHOD FOR SEPARATING POLLUTANTS IN THE FLUE GAS OF A THERMAL PLANT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ABSCHIEDEN VON SCHADSTOFFEN IM RAUCHGAS EINER THERMISCHEN ANLAGE

Title (fr)

DISPOSITIF ET PROCÉDÉ DESTINÉS À SÉPARER DES POLLUANTS DANS UN GAZ DE FUMÉE D'UNE INSTALLATION THERMIQUE

Publication

EP 1979679 A1 20081015 (DE)

Application

EP 07703107 A 20070129

Priority

- EP 2007000751 W 20070129
- DE 102006004221 A 20060130

Abstract (en)

[origin: WO2007085490A1] The invention relates to a device for separating pollutants in the flue gas of a thermal plant, in particular a refuse incineration plant, fuel substitute incineration plant or a biomass incineration plant, said device being equipped with at least one heating surface for obtaining heat from the flue gas that is produced during the thermal conversion of a feed material. The device is characterised in that it comprises at least one separation surface, which is connected upstream of the heating surface or surfaces. The invention also discloses a method for separating pollutants from flue gas. The invention permits the reduction of corrosion on the heating surfaces of a boiler, which according to prior art has been insufficiently protected, the prolongation of the service life of the heating surfaces, the improvement of thermal transfer properties of the heating surface downstream and the reduction of pressure losses on the flue gas side, in order to increase the operating periods of the plant.

IPC 8 full level

F23J 15/00 (2006.01); **F23J 15/02** (2006.01)

CPC (source: EP)

F23J 15/006 (2013.01); **F23J 15/022** (2013.01)

Citation (search report)

See references of WO 2007085490A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007085490 A1 20070802; DE 102006004221 A1 20070809; DE 202007019393 U1 20120508; EP 1979679 A1 20081015

DOCDB simple family (application)

EP 2007000751 W 20070129; DE 102006004221 A 20060130; DE 202007019393 U 20070129; EP 07703107 A 20070129