

Title (en)

A METHOD FOR THE CLEANING OF FLUE GASES AND THE TREATMENT OF ASH FROM THE COMBUSTION OF REFUSE

Title (de)

VERFAHREN ZUR REINIGUNG VON RAUCHGASEN UND ZUR BEHANDLUNG VON ASCHE AUS DER VERBRENNUNG VON ABFALL

Title (fr)

PROCÉDÉ DE NETTOYAGE DE GAZ DE CARNEAU ET DE TRAITEMENT DE CENDRE PROVENANT DE LA COMBUSTION DE DÉCHETS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007035169A1] In a method for the cleaning of flue gases and the treatment of ash from a boiler with a fluidised bed for the combustion of solid household refuse, in which boiler the flue gases pass from the furnace (1) to a cyclone (5), after which active carbon (18) and slaked lime (19) can be added and the flue gases led through a filter (6), for example a fabric filter, bottom ash (11) from the furnace, cyclone ash (15) from the cyclone, and filter ash (16) from the filter, among other residues, leave the boiler during operation. In order to clean the cyclone ash (15) such that it satisfies the requirements for deposition into a normal landfill with a clear margin, the cyclone ash is leached with leaching fluid (26) during the formation of an ash sludge (21), which is fed to a fluid separator (23), for example a pressure filter, where the process fluid (26) is separated from the ash (25) that has been leached. It is preferable that the process fluid is recycled through a part of it being used for the leaching and for the formation of the ash sludge, and through another part (28) of it being injected into the flue gas flow after the cyclone (5) but before the addition, if any, of active carbon (18) and slaked lime (19).

IPC 8 full level

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