

Title (en)  
PROCESS FOR INCINERATING SOLIDS

Title (de)  
VERFAHREN ZUR VERBRENNUNG VON FESTSTOFFEN

Title (fr)  
PROCEDE POUR LA COMBUSTION DE MATIERES SOLIDES

Publication  
**EP 0607210 B1 19960131 (DE)**

Application  
**EP 92920686 A 19921002**

Priority  
• DE 4133239 A 19911008  
• EP 9202280 W 19921002

Abstract (en)  
[origin: WO9307422A1] The description relates to a process for incinerating solids, especially for burning rubbish in a combustion vessel comprising at least one combustion chamber and an after-burner chamber. Here, instead of secondary or tertiary air, water vapour under increased pressure is sprayed into the combustion vessel after the combustion gases have left the combustion chamber. Only primary air is supplied as the combustion air. In this manner it is possible with the use of minimum quantities of combustion air particularly to increase the effectiveness of the overall process while at the same time reducing the emission of pollutants. It is also possible to feed back flue gas together with the water vapour, so that, for example, the maximum temperatures, the temperature reduction and the dwell times in the 1st and 2nd flue of the vessel can be easily set to the optima.

IPC 1-7  
**F23L 7/00**; **F23G 5/14**

IPC 8 full level  
**F23G 5/14** (2006.01); **F23L 7/00** (2006.01)

CPC (source: EP US)  
**F23G 5/14** (2013.01 - EP US); **F23L 7/00** (2013.01 - EP US); **F23L 2900/07009** (2013.01 - EP US)

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