

Title (en)

Method of incinerating waste and device for treating the exhaust gas from an incineration method

Title (de)

Verfahren zum Verbrennen von Abfällen und Vorrichtung zum Behandeln der Abgase einer Abfallverbrennung

Title (fr)

Procédé d'incinération de déchets et dispositif pour traiter le gaz d'échappement provenant de ce procédé

Publication

EP 1319894 B1 20070321 (DE)

Application

EP 02026518 A 20021127

Priority

DE 10160756 A 20011211

Abstract (en)

[origin: EP1319894A2] Incineration of waste material comprises burning material to produce flue gas containing less than 4% oxygen, separating dust from gas, passing gas through first dwell chamber a temperature-dependent residence time, cooling gas to 900-1050 degrees C, spraying nitrogen oxide reducer into gas and allowing it to act in second dwell chamber for at least 0.3 second, and passing gas through tubing at rate of at least 3 kg/h.cm<2>. <??>Incineration of waste material comprises burning the material to produce a flue gas containing less than 4% oxygen; separating dust from the gas; passing the gas through a first dwell chamber in which the residence time (in seconds) is 2.00 at a gas temperature of 1000 degrees C, 0.60 at 1100 degrees C, 0.10 at 1200 degrees C, 0.02 at 1300 degrees C and 0.01 at 1400 degrees C, with interpolated residence times for intermediate temperatures; cooling the gas to 900-1050 degrees C; spraying a nitrogen oxide reducer into the gas an allowing it to act in a second dwell chamber for at least 0.3 second, and passing the gas through tubing at a rate of at least 3 kg/h.cm<2>. <??>An Independent claim is also included for apparatus for treating flue gas from the combustion of waste material, comprising a first dwell chamber (5), tubing (6) for cooling the gas to 900-1500 degrees C, a spray head (8) for spraying a nitrogen oxide reducer into the gas, a second dwell chamber (9) and tubing (12) for further cooling the gas.

IPC 8 full level

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