

Title (en)

Method for reducing waste oxide gas emissions in industrial processes

Title (de)

Verfahren zur Verminderung von oxydhaltigen Abgasemissionen aus industriellen Prozessen

Title (fr)

Procédé pour la réduction des gaz résiduaux riches en oxydes dans des procédés industriels

Publication

EP 1422476 A2 20040526 (EN)

Application

EP 03256983 A 20031105

Priority

US 42744602 P 20021119

Abstract (en)

The method of the present invention reduces the emissions of waste oxide gas produced within a thermal oxidizer by the use of a multizone waste thermal oxidizer, comprising at least one primary combustion zone (24) and at least one downstream waste destruction zone (26). By performing the primary combustion of fuel prior to the destruction of at least a portion of the waste, it has been discovered that NO_x emissions from the waste destruction process can be reduced economically and without significant loss of overall waste destruction efficiency. <IMAGE>

IPC 1-7

F23G 7/06; **F23G 7/00**

IPC 8 full level

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CPC (source: EP KR US)

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GB2442899A; EP2468383A1; BE1025690B1; US9927120B2; WO2007020454A1; WO2012084767A1

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US 69596603 A 20031029; BR 0304813 A 20031107; CN 200310114930 A 20031113; EP 03256983 A 20031105; JP 2003387395 A 20031118; KR 20030082266 A 20031119; MX PA03010386 A 20031113; TW 92131234 A 20031107