

Title (en)

LOW NOX INCINERATION PROCESS FOR HAZARDOUS WASTE

Publication

**EP 0317111 B1 19930303 (EN)**

Application

**EP 88310218 A 19881031**

Priority

- US 12206787 A 19871118
- US 25268188 A 19881003

Abstract (en)

[origin: EP0317111A2] A process which involves incinerating (202) hazardous waste (206) to produce a gaseous stream, adding combustible material to produce a combustible gas stream having combustible material in excess of the oxygen in the combustible gas stream, incinerating (204) the combustible gas stream in a reducing atmosphere to produce a heated oxygen-depleted gaseous stream (224), converting at least a portion of the heat in the oxygen depleted stream into steam (216), adding air to the oxygen depleted stream to produce a stoichiometric excess of oxygen in the resultant stream relative to combustible material present in the resultant stream, passing the resultant stream over an oxidizing catalyst (226) to produce an oxidized gaseous stream, removing heat (228) from the oxidized stream, and venting (232) the resultant cooled stream. A system for carrying out the foregoing process is also provided.

IPC 1-7

**F23G 5/16; F23G 5/46; F23J 15/00**

IPC 8 full level

**B01D 53/56** (2006.01); **B01D 53/94** (2006.01); **F23G 5/00** (2006.01); **F23G 5/46** (2006.01); **F23J 15/00** (2006.01)

CPC (source: EP)

**F23G 5/006** (2013.01); **F23G 5/46** (2013.01); **F23J 15/006** (2013.01); **F23J 2215/20** (2013.01); **F23J 2219/10** (2013.01)

Cited by

GB2571793A; US5820651A; US5833730A; US5851256A; US5810901A; US5837028A; US5849059A

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

**EP 0317111 A2 19890524; EP 0317111 A3 19900307; EP 0317111 B1 19930303**; DE 3878840 D1 19930408; DE 3878840 T2 19931007; ES 2038308 T3 19930716; JP H01200110 A 19890811

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