

Title (en)

A method of controlling nitrous oxide in circulating fluidized bed steam generators

Title (de)

Verfahren zur Kontrolle von Stickoxiden bei einem Dampferzeuger mit zirkulierender Wirbelschicht

Title (fr)

Procédé de contrôle d'oxyde nitrique dans un générateur de vapeur à lit fluidisé circulant

Publication

**EP 0851173 A3 19990728 (EN)**

Application

**EP 97122925 A 19971229**

Priority

US 77476396 A 19961230

Abstract (en)

[origin: EP0851173A2] A method of controlling N<sub>2</sub>O emissions from a circulating fluidized bed steam generator (CFB) (2) while concomitantly therewith maintaining acceptable levels of NO<sub>x</sub> emissions and SO<sub>x</sub> emissions from the circulating fluidized bed steam generator (CFB) (2), by increasing the temperature of the combustion gases (32) prior to their discharge from cyclone exit (8a) and at the same time lowering their temperature at the furnace exit (4c).

IPC 1-7

**F23C 11/02**; **F23C 6/04**

IPC 8 full level

**F23C 6/04** (2006.01); **F23C 10/10** (2006.01)

CPC (source: EP)

**F23C 6/04** (2013.01); **F23C 10/10** (2013.01); **F23J 2215/101** (2013.01)

Citation (search report)

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- [A] WO 9606303 A1 19960229 - KVAERNER ENVIROPOWER AB [SE], et al
- [A] WO 9635080 A1 19961107 - COMBUSTION ENG [US]
- [A] EP 0571234 A2 19931124 - FOSTER WHEELER ENERGY CORP [US] & US 5325796 A 19940705 - GARCIA-MALLOL JUAN A [US]
- [A] WO 9318341 A1 19930916 - UNIV DELFT TECH [NL]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 183 (M - 1584) 29 March 1994 (1994-03-29)

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0851173 A2 19980701**; **EP 0851173 A3 19990728**; **EP 0851173 B1 20021120**; AT E228225 T1 20021215; DE 69717240 D1 20030102

DOCDB simple family (application)

**EP 97122925 A 19971229**; AT 97122925 T 19971229; DE 69717240 T 19971229