

Title (en)

SULFUR TRIOXIDE REMOVAL FROM A FLUE GAS STREAM

Title (de)

ENTFERNUNG VON SCHWEFELTRIOXID AUS EINEM RAUCHGASSTROM

Title (fr)

ELIMINATION DE TRIOXYDE DE SOUFRE D'UN FLUX DE GAZ DE COMBUSTION

Publication

**EP 1937391 A1 20080702 (EN)**

Application

**EP 06793512 A 20060914**

Priority

- EP 2006066359 W 20060914
- US 22905605 A 20050915

Abstract (en)

[origin: WO2007031552A1] A method of removing SO<sub>3</sub> from a flue gas stream having increased amounts of SO<sub>3</sub>/SUB>3</SUB> formed by a NO<sub>x</sub> removal system, includes injecting a sorbent composition into the flue gas stream. The sorbent composition includes an additive and a sodium sorbent such as mechanically refined trona or sodium bicarbonate. The additive is selected magnesium carbonate, calcium carbonate, magnesium hydroxide, calcium hydroxide, and mixtures thereof. The concentration of the SO<sub>3</sub> in the flue gas stream is reduced and the formation of a liquid phase NaHSO<sub>4</sub> reaction product is minimized.

IPC 8 full level

**B01D 53/50** (2006.01)

CPC (source: EP)

**B01D 53/508** (2013.01)

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See references of WO 2007031552A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2007031552 A1 20070322**; BR PI0616068 A2 20110607; CA 2622549 A1 20070322; CA 2622549 C 20140729; CN 101262929 A 20080910; CN 101262929 B 20130109; EA 015416 B1 20110830; EA 200800829 A1 20080829; EP 1937391 A1 20080702; JP 2009507632 A 20090226

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