

Title (en)
WASTE-GAS TREATMENT PROCESS.

Title (de)
BEHANDLUNGSVERFAHREN VON ABGASEN.

Title (fr)
PROCEDE DE TRAITEMENT DE GAZ DE COMBUSTION.

Publication
EP 0305512 A4 19890919 (EN)

Application
EP 88904020 A 19880318

Priority
US 2756687 A 19870318

Abstract (en)
[origin: WO8807022A1] In the desulfurization of flue gas and the like, the gas is preliminarily treated to remove sulfur trioxide and sulfuric acid by a first cooling of the gas, e.g. to about 250 DEG F to 400 DEG F in a combustion air preheater (14), and then simultaneously or thereafter introducing an aqueous stream (18) from an FGD system (20) containing dissolved chloride, said aqueous stream (18) being completely vaporized upon injection (22) into said gas, and recovering from the gas chloride salts which remain in the gas after the water fraction of the aqueous stream has been vaporized, and ammonium chloride which precipitates upon the fly ash in the gas or forms a finely-divided suspension. Ammonia may be added (16) to react with at least some of the Cl⁻ values contained in the flue gas if further reduction of the chloride in the FGD system (20) is desired.

IPC 1-7
B01D 53/34

IPC 8 full level
B01D 53/50 (2006.01); **C01C 1/16** (2006.01)

CPC (source: EP KR)
B01D 53/34 (2013.01 - KR); **B01D 53/501** (2013.01 - EP); **C01C 1/164** (2013.01 - EP); **Y02P 20/129** (2015.11 - EP)

Citation (search report)

- [AP] WO 8701963 A1 19870409 - PERFLUKTIV TECHNIK AG [CH]
- [A] US 4038369 A 19770726 - WINSTON STEVEN J, et al
- [A] GB 1114402 A 19680522 - ALUMINIUM LAB LTD
- [A] GB 2088406 A 19820609 - WESTFAEL ELEKT WERKE
- [A] FR 2382263 A1 19780929 - OTTO & CO GMBH DR C [DE]
- [AD] US 3956532 A 19760511 - RUSSELL RICHARD H
- See references of WO 8807022A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
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DOCDB simple family (application)
US 8800897 W 19880318; AU 1684688 A 19880318; EP 88904020 A 19880318; FI 885299 A 19881116; KR 880701439 A 19881110