Title (en)
METHOD FOR SEPARATING GASEOUS POLLUTANTS FROM HOT PROCESS GASES

Title (de)
METHOD ZUR ABTRENNENUNG VON GASFÖRMIGEN VERUNREINIGUNGEN VON HEISSEN PROZESSGASEN

Title (fr)
TECHNIQUE DE SEPARATION DES POLLUANTS GAZEUX DES GAZ CHAUDS DE PROCESSUS DE FABRICATION

Publication
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Application
EP 95939455 A 19951124

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Abstract (en)
[origin: WO9616722A1] Hot process gases are passed through a contact reactor (10), in which a particulate absorbent material, which is reactive with gaseous pollutants in the gases, is introduced into the gases to convert the gaseous pollutants into separable dust. The process gases are then passed through a dust separator (5). The major part of the dust separated in the dust separator (5) is passed to a mixer (11), in which it is mixed and moistened, whereupon it is recirculated as absorbent material by being introduced, together with fresh absorbent, into the process gases. Burnt lime is added as fresh absorbent. The dust is kept so long in the mixer and recirculated so many times that the total residence time of the burnt lime in the mixer in moistened state is sufficiently long for the burnt lime to react substantially completely with water supplied to the mixer and form slaked lime.

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Citation (search report)
See references of WO 9616722A1

Citation (third parties)
Third party :
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- SE 453570 B 19880215 - FLAEKT AB [SE]
- BOYNTON R.S.: "CHEMISTRY AND TECHNOLOGY OF LIME AND LIMESTONE", vol. 2, 1980, JOHN WILEY & SONS,INC, USA, ISBN: 0-471-02771-5, pages: 329 - 334, XP000847699

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