

Title (en)
PROCESS FOR REDUCING THE DIOXIN AND FURAN CONTENT IN WASTE GASES FROM FURNACES, AND USE OF THE FILTER DUSTS PRODUCED THEREBY

Title (de)
VERFAHREN ZUR VERMINDERUNG DES DIOXIN- UND FURANGEHALTES IN OFENABGASEN UND NUTZUNG DER DABEI ANFALLENDEN FILTERSTÄUBE

Title (fr)
PROCEDE PERMETTANT DE REDUIRE LA TENEUR EN DIOXINE ET EN FURANE DANS DES GAZ BRULES DE FOURS ET UTILISATION DES POUSSIERS DE FILTRAGE PRODUITES A CETTE OCCASION

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Application
EP 96927659 A 19960802

Priority

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Abstract (en)
[origin: US6077328A] PCT No. PCT/EP96/03407 Sec. 371 Date Feb. 2, 1998 Sec. 102(e) Date Feb. 2, 1998 PCT Filed Aug. 2, 1996 PCT Pub. No. WO97/06876 PCT Pub. Date Feb. 27, 1997A process for purifying waste gases from smelting, resmelting or combustion plant furnaces and the use of the filter dusts produced. The invention is used in particular in the production or preparation of nonferrous metals. According to the invention, at least one alkali compound, in particular NaHCO₃, is injected dry, optionally in the presence of activated carbon and/or open hearth coke, into the waste gas leaving the production process. The separated filter dust is fed back to the smelting or combustion process. It has unexpectedly been found that the returned filter dust can lower the dioxin and furan contents of the crude gas. Owing to the composition of the filter dust, it can also be used as protective salt in secondary aluminum production.

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