

Title (en)

METHOD FOR PRETREATING CHARGES CONTAMINATED WITH CARBON CARRIERS

Title (de)

VERFAHREN ZUM VORBEHANDELN VON MIT KOHLENSTOFFTRÄGERN KONTAMINIERTEN CHARGEN

Title (fr)

PROCÉDÉ DE PRÉTRAITEMENT DE CHARGES CONTAMINÉES AVEC DES PORTEURS DE CARBONE

Publication

EP 2061730 A2 20090527 (DE)

Application

EP 07825071 A 20070907

Priority

- IB 2007002574 W 20070907
- AT 15332006 A 20060914

Abstract (en)

[origin: WO2008032160A2] In a method for pretreating charges contaminated with carbon carriers, such as for example quantities of earth, soil, rock or minerals contaminated with carbon carriers and of low calorific value for use in clinker kilns, the said charges are introduced into a reactor (8) and heated or dried with gases. The heated gases are drawn off at temperatures below 1250°C, preferably 700-900°C, and the heated or dried charge is separately discharged at temperatures between 500°C and 1000°C, wherein the temperatures are set and maintained by regulating the fresh air supply, a water or water vapour supply, by regulating the feed rate of the charge and/or of process gases, such as for example tertiary air, and if required by burning fuels to stabilize the temperature distribution in the reactor (8). The gases drawn off from the reactor (8) are at least partially recirculated to the reactor (8) and/or fed to a precalcining stage and/or a preheating stage of the clinker kiln (1).

IPC 8 full level

C04B 7/38 (2006.01)

CPC (source: EP US)

C04B 7/4446 (2013.01 - EP US)

Citation (search report)

See references of WO 2008032160A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

HR

DOCDB simple family (publication)

WO 2008032160 A2 20080320; WO 2008032160 A3 20080717; AT 504193 A1 20080315; AT 504193 B1 20080615; AU 2007297289 A1 20080320; AU 2007297289 B2 20120830; BR PI0716806 A2 20140408; CA 2663617 A1 20080320; CA 2663617 C 20150217; CN 101535205 A 20090916; CO 6170354 A2 20100618; EP 2061730 A2 20090527; MX 2009002767 A 20090813; NZ 576104 A 20120727; RU 2009113826 A 20101020; US 2010095873 A1 20100422

DOCDB simple family (application)

IB 2007002574 W 20070907; AT 15332006 A 20060914; AU 2007297289 A 20070907; BR PI0716806 A 20070907; CA 2663617 A 20070907; CN 200780033958 A 20070907; CO 09037576 A 20090414; EP 07825071 A 20070907; MX 2009002767 A 20070907; NZ 57610407 A 20070907; RU 2009113826 A 20070907; US 31089507 A 20070907