

Title (en)

Plant for the heat treatment of granular material.

Title (de)

Anlage zur Wärmebehandlung von feinkörnigem Gut.

Title (fr)

Installation pour le traitement thermique de matière à grain fin.

Publication

EP 0108888 A1 19840523 (DE)

Application

EP 83109193 A 19830916

Priority

DE 3237689 A 19821012

Abstract (en)

[origin: ES8405745A1] Apparatus for heat treating fine-grained material comprises a rotary kiln into which material is delivered from a multistage preheater that communicates with the kiln via a vertical exhaust gas duct. Treated material is discharged from the kiln to a cooler from which two cooling air ducts extend and communicate with the exhaust gas duct at two vertically spaced zones. Material from the second lowest preheater stage is introduced into the exhaust gas duct adjacent the lower cooling air duct. Fuel is introduced into the exhaust gas duct adjacent each of the cooling air ducts. The apparatus is distinguished by a particularly high degree of deacidification of the raw material and good combustion of the fuel.

Abstract (de)

Die Anmeldung betrifft eine Anlage zur Wärmebehandlung von feinkörnigem Gut mit einem Zyklonvorwärmer, einem Drehrohrofen (1) und einem Kühler, wobei die beiden Kühlluftleitungen (4a, 4b) in unterschiedlicher Höhenlage in die Ofenabgasleitung (3) einmünden, nahe dieser Einmündung mit Zuführungen (5, 6) für zusätzlichen Brennstoff versehen sind und in die untere Kühlluftleitung die Gutaustragsleitung (7) der zweituntersten Zyklonstufe einmündet.

IPC 1-7

F27B 7/20; **F27D 13/00**; **F27D 15/00**

IPC 8 full level

C04B 7/44 (2006.01); **B01J 6/00** (2006.01); **F27B 7/20** (2006.01); **F27D 13/00** (2006.01); **F27D 15/00** (2006.01)

CPC (source: EP US)

F27B 7/2025 (2013.01 - EP US)

Citation (search report)

- [A] DE 3012167 A1 19801016 - SUMITOMO CEMENT CO
- [A] DE 2833774 A1 19800221 - KLOECKNER HUMBOLDT DEUTZ AG
- [A] DE 2726138 A1 19781221 - KLOECKNER HUMBOLDT DEUTZ AG
- [AD] DE 2801161 A1 19790719 - BABCOCK KRAUSS MAFFEI IND

Cited by

FR2591913A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

EP 0108888 A1 19840523; **EP 0108888 B1 19860312**; DE 3237689 A1 19840412; DE 3362549 D1 19860417; ES 526398 A0 19840616; ES 8405745 A1 19840616; JP S59137350 A 19840807; US 4514170 A 19850430; ZA 837133 B 19840530

DOCDB simple family (application)

EP 83109193 A 19830916; DE 3237689 A 19821012; DE 3362549 T 19830916; ES 526398 A 19831011; JP 19060883 A 19831012; US 53360383 A 19830919; ZA 837133 A 19830926