

Title (en)

Process for firing a material containing carbonates

Title (de)

Verfahren zum Brennen von karbonathaltigem Material

Title (fr)

Procédé de cuisson d'un matériau contenant des carbonates

Publication

EP 1148311 B1 20051109 (DE)

Application

EP 01810263 A 20010316

Priority

CH 7212000 A 20000411

Abstract (en)

[origin: US2001029005A1] In a method for burning carbonate-containing material the latter moves as a result of gravity in counter-current to the cooling and combustion air through a shaft kiln. The fuel supply takes place by means of burning lances introduced into the granular burning material at right angles to the shaft wall. On limiting the grain size and the residence time as a result of this type of fuel supply it is possible to achieve high burning temperatures even suitable for hard burning without there being any sintering together of the granular burning material.

IPC 1-7

F27B 1/00; **F27B 1/08**; **F27B 1/10**; **F27B 1/04**; **C04B 2/12**

IPC 8 full level

C04B 2/12 (2006.01); **F23G 5/24** (2006.01); **F27B 1/00** (2006.01); **F27B 1/04** (2006.01); **F27B 1/08** (2006.01); **F27B 1/10** (2006.01); **F27B 1/16** (2006.01)

CPC (source: EP US)

F23B 1/36 (2013.01 - EP US); **F23G 5/24** (2013.01 - EP US)

Cited by

DE102016103937A1; WO2020182584A1; BE1027100B1; BE1027100A1; WO2017149110A1; US10947125B2; US11703280B2

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EP 1148311 A2 20011024; **EP 1148311 A3 20031203**; **EP 1148311 B1 20051109**; AT E309514 T1 20051115; BR 0101435 A 20011113; BR 0101435 B1 20101116; CN 100414234 C 20080827; CN 1317679 A 20011017; DE 50107945 D1 20051215; EA 003894 B1 20031030; EA 200100339 A2 20011022; EA 200100339 A3 20020228; ES 2254352 T3 20060616; IL 142368 A0 20020310; IL 142368 A 20040219; MX PA01003608 A 20050630; UA 72224 C2 20050215; US 2001029005 A1 20011011; US 6461154 B2 20021008

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