

Title (en)

METHOD AND DEVICE FOR USE OF ALTERNATIVE FUELS IN CLINKER AND CEMENT PRODUCTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERWERTEN VON ALTERNATIVEN BRENNSTOFFEN BEI DER CLINKER- BZW. ZEMENTHERSTELLUNG

Title (fr)

PROCEDE ET DISPOSITIF DE RECYCLAGE DE COMBUSTIBLES ALTERNATIFS LORS DE LA PRODUCTION DE CLINKER OU DE CIMENT

Publication

**EP 1912914 A2 20080423 (DE)**

Application

**EP 06795233 A 20060811**

Priority

- IB 2006002194 W 20060811
- AT 13572005 A 20050811

Abstract (en)

[origin: WO2007017748A2] The invention relates to a method for use of alternative fuels in clinker and cement production with application of the alternative fuels in reactors (4) for the pre-heating and/or pre-calcination of raw meal in a burner device (17), separate from the burners (12) of the relevant reactor (4), which are at least partly burnt, whereupon an optional complete combustion occurs within the reactors (4) with the combustion oxygen provided to the burner (12) of the reactor (4) in stoichiometric excess amounts. The device for use of alternative fuels in clinker and cement production comprises a clinker furnace (1) and a reactor (4) with burners (12) for pre-heating and calcination of the raw meal and at least one feed line (18) for combustion air or oxygen, characterised in that a separate burner device (17) with a forced supply of alternative fuels, such as for example a pusher or supply screw (16), is provided and opens out inside the relevant reactor (4).

IPC 8 full level

**C04B 7/44** (2006.01); **F27B 7/20** (2006.01)

CPC (source: EP US)

**C04B 7/4446** (2013.01 - EP US); **F27B 7/2033** (2013.01 - EP US); **F27B 7/34** (2013.01 - EP US)

Citation (search report)

See references of WO 2007017748A2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007017748 A2 20070215; WO 2007017748 A3 20070419**; AT 502256 A1 20070215; BR PI0614808 A2 20090804; CA 2618768 A1 20070215; CA 2618768 C 20140610; EP 1912914 A2 20080423; RU 2008109004 A 20090920; US 2009283015 A1 20091119; US 8328550 B2 20121211

DOCDB simple family (application)

**IB 2006002194 W 20060811**; AT 13572005 A 20050811; BR PI0614808 A 20060811; CA 2618768 A 20060811; EP 06795233 A 20060811; RU 2008109004 A 20060811; US 99021806 A 20060811