

Title (en)

Process and installation for the firing of powdery raw materialsoudre

Title (de)

Verfahren und Anlage zum Brennen von pulverförmigen Rohmaterial

Title (fr)

Procédé et installation pour la cuisson de matières premières en poudre

Publication

**EP 0937957 A3 20010822 (DE)**

Application

**EP 99890051 A 19990210**

Priority

AT 25498 A 19980212

Abstract (en)

[origin: EP0937957A2] Sintering of powder raw material in an installation with parallel calciner and furnace lines provided with multistage cyclone preheaters and a cooling unit (C) for air cooling of the sintered material. Air from the cooling unit passes as secondary air through the furnace and further through the furnace line. The process consists of successive stages of preheating, calcining and finally sintering in a furnace (K). A part of the material flow fed directly into the furnace (K) is separated and fed into the calciner (Ca1) which is provided with fuel at two levels and with tertiary air from the cooling unit (C).

IPC 1-7

**F27B 7/20**; **F27D 13/00**; **C04B 7/43**

IPC 8 full level

**C04B 7/43** (2006.01); **F27B 7/20** (2006.01); **F27D 13/00** (2006.01)

CPC (source: EP)

**F27B 7/2058** (2013.01); **F27D 13/00** (2013.01)

Citation (search report)

- [A] DE 2603594 A1 19770804 - SMIDTH & CO AS F L
- [A] DE 3244943 A1 19840607 - KLOECKNER HUMBOLDT DEUTZ AG [DE]
- [A] EP 0064489 A1 19821110 - VOEST ALPINE AG [AT]

Cited by

US9121639B2; WO2004089842A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0937957 A2 19990825**; **EP 0937957 A3 20010822**; **EP 0937957 B1 20041013**; AT 405513 B 19990927; AT A25498 A 19990115; AT E279703 T1 20041015; DE 59910786 D1 20041118; DK 0937957 T3 20050124

DOCDB simple family (application)

**EP 99890051 A 19990210**; AT 25498 A 19980212; AT 99890051 T 19990210; DE 59910786 T 19990210; DK 99890051 T 19990210