Title (en)
PROCESS AND APPARATUS FOR MAKING CEMENT IN A FLUIDIZED BED

Publication
EP 0000739 B1 19810415 (DE)

Application
EP 78100518 A 19780727

Priority
- DE 2735084 A 19770804
- DE 2735140 A 19770804
- DE 2822377 A 19780523
- DE 2822395 A 19780523
- DE 2822419 A 19780523

Abstract (en)
[origin: US4213790A] A process for producing cement wherein preheated, partially calcined powder-form raw material is finally calcined in a fluidized bed and is discharged to a cooler through which a cooling stream of air passes. A part of the cooling air passes into the fluidized bed from below and another part of the cooling air, together with the partially calcined material, passes into the fluidized bed from the side. The rates of material flow to and from the fluidized bed is regulated to maintain a substantially uniform intersticial ratio between the upper and lower regions of the fluidized bed.

IPC 1-7
C04B 7/44; B01J 8/00

IPC 8 full level
B01J 8/00 (2006.01); **B01J 8/24** (2006.01); **C04B 7/44** (2006.01); **C04B 7/45** (2006.01); **F27B 1/02** (2006.01); **F27B 15/00** (2006.01); **F27B 15/12** (2006.01); **F27B 15/14** (2006.01)

CPC (source: EP US)
B01J 8/1809 (2013.01 - EP US); **C04B 7/45** (2013.01 - EP US); B01J 2208/00061 (2013.01 - EP US); B01J 2208/00504 (2013.01 - EP US); B60Y 2200/143 (2013.01 - EP US)

Cited by
FR2474478A1; FR2519128A1; EP0463156A4; EP0165034A3; EP0033688B1; EP0059508B1

Designated contracting state (EPC)
CH DE FR GB

DOCDB simple family (publication)
EP 0000739 A1 19790221; **EP 0000739 B1 19810415**; CA 1115297 A 19811229; DE 2860617 D1 19810507; DK 347078 A 19790205; GR 64304 B 19800303; IT 1097686 B 19850831; IT 7826440 A0 19780803; JP S5434325 A 19790313; JP S5711862 B2 19820306; PT 68379 A 19780901; US 4213790 A 19800722

DOCDB simple family (application)
EP 78100518 A 19780727; CA 307850 A 19780721; DE 2860617 T 19780727; DK 347078 A 19780804; GR 780156840 A 19780722; IT 2644078 A 19780803; JP 9307078 A 19780729; PT 6837978 A 19780802; US 92736678 A 19780724