Title (en)

CLINKER COOLER WITH DEDUSTING DEVICE IN A PROCESS FOR THE PRODUCTION OF CEMENT

Publication

EP 0170304 A3 19891011 (DE)

Application

EP 85200949 A 19850615

Priority

DE 3424170 A 19840630

Abstract (en)

[origin: EP0170304A2] The hot clinker falls at temperatures of 1150 to 1300 DEG C onto an air-permeable conveyor belt and is cooled with cooling air. The cooling air is subsequently conducted through a dedusting device, in which it is dedusted to a residual dust content of approximately 30 to 100 mg/Nm<3>. Under the clinker cooler, there is arranged a solids transport device which receives the cooled clinker. The dedusting device is situated approximately vertically above the clinker cooler and the offtakes of the dedusting device for the separated dust guide the latter directly onto the solids transport device for the cooled clinker. Advantageously, the dedusting device contains at least one cyclone with a downstream fine dedusting device. The fine dedusting device can be a granulate filter or a fibrous filter. <IMAGE>

IPC 1-7

F27D 15/02; B01D 46/34

IPC 8 full level

C04B 7/47 (2006.01); **B01D 46/34** (2006.01); **F27B 15/12** (2006.01); **F27B 15/16** (2006.01); **F27D 15/02** (2006.01); **F27D 17/00** (2006.01)

CPC (source: EP)

F27D 15/02 (2013.01); **F27D 17/008** (2013.01); F27D 15/0266 (2013.01)

Citation (search report)

- [A] US 3704525 A 19721205 - DEVEL DANIEL T
- [A] DE 2327903 A1 19740110 - INST ZEMENT
- [A] DE 1209040 B 19660113 - KLOECKNER HUMBOLDT DEUTZ AG

Cited by

FR2668582A1

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

EP 0170304 A2 19860205; **EP 0170304 A3 19891011**; **EP 0170304 B1 19931222**; DE 3424170 A1 19860227; DE 3424170 C2 19921029; DE 3587692 D1 19940203; ES 544643 A0 19870216; ES 8703392 A1 19870216; JP H0625006 B2 19940406; JP S6117455 A 19860125

DOCDB simple family (application)

EP 85200949 A 19850615; DE 3424170 A 19840630; DE 3587692 T 19850615; ES 544643 A 19850627; JP 14443385 A 19850701