Title (en)

Process and device to prevent the concretion formation in clinker coolers and for the removal of parts of the coolerlining

Title (de)

Verfahren und Vorrichtung zur Verhinderung der Entstehung von Schneemännern in Klinkerkühlern und zur Entfernung von in Klinkerkühlern befindlichen Verkleidungsstücken

Title (fr)

Procédé et dispositif pour empêcher la formation de concrétions dans les refroidisseurs de clinker et pour enlever des composants de revêtement du refroidisseur

Publication

EP 0780651 B2 20080102 (DE)

Application

EP 96118789 A 19961122

Priority

US 57322295 A 19951215

Abstract (en)

[origin: US5871348A] A method and apparatus for preventing the accumulation of fines and the resulting formation of snowmen in a clinker cooler by applying short duration blasts of high pressure, high velocity air from openings in the cooler inlet grate. The cleaning air can be selectively supplied to a portion or portions of the cooler inlet grate. Monitoring may be provided to aid in the selective application of the cleaning air.

IPC 8 full level

F27D 15/02 (2006.01); **F27D 25/00** (2010.01); F27D 3/16 (2006.01)

CPC (source: EP US)

F27D 15/0213 (2013.01 - EP US); **F27D 25/008** (2013.01 - EP US); C21B 2400/022 (2018.07 - EP US); F27D 3/16 (2013.01 - EP US); F27D 2015/0233 (2013.01 - EP US)

Citation (opposition)

Opponent :

KHD SYMPOSIUM 95 Band 2 Moderne Brenntechnik der 5. Int. Humboldt Wedag Smposium 95 Moderne Mahl-und Brenntechnik in der Zementindustrie vom 29 mai bis 01.juni 1995

Cited by

EP1258462A4; CN102124293A; CN102472585A; JP2008504211A; JP4847446B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

US 5871348 A 19990216; BR 9605767 A 19980825; DE 59609573 D1 20020926; EP 0780651 A1 19970625; EP 0780651 B1 20020821; EP 0780651 B2 20080102; ES 2180686 T3 20030216; ES 2180686 T5 20080801; MX 9606448 A 19971031; ZA 969708 B 19970620

DOCDB simple family (application)

US 96681397 A 19971110; BR 9605767 A 19961129; DE 59609573 T 19961122; EP 96118789 A 19961122; ES 96118789 T 19961122; MX 9606448 A 19961213; ZA 969708 A 19961120