

Title (en)  
GRATE COOLER

Title (de)  
ROSTKÜHLER

Title (fr)  
REFROIDISSEUR A GRILLE

Publication  
**EP 0730722 B1 19980422 (EN)**

Application  
**EP 94927657 A 19940927**

Priority  
• DK 112093 A 19931006  
• EP 9403230 W 19940927

Abstract (en)  
[origin: WO9510014A1] A grate cooler (1) for cooling granular material, such as cement clinker, comprises a special duct system (16, 19, 17) for injection of air into the gaps (15) which exist between the edge guards (13) and the grate plates (9) at the edges of the grate surface. The gaps (15) between the edge guards (13) and the grate plates (9) are thus kept free from clinker material, thereby minimizing the wear in this zone.

IPC 1-7  
**F27D 15/02**; **F27D 23/02**

IPC 8 full level  
**F27D 15/02** (2006.01); **F27D 25/00** (2010.01); **F27D 3/00** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP)  
**F27D 15/0213** (2013.01); **F27D 25/008** (2013.01); **F27D 99/0073** (2013.01); **F27D 2003/0002** (2013.01)

Cited by  
BE1027670B1; US7886457B2

Designated contracting state (EPC)  
DE ES FR GB GR IT PT

DOCDB simple family (publication)  
**WO 9510014 A1 19950413**; BR 9407756 A 19970304; CN 1132551 A 19961002; DE 69409826 D1 19980528; DK 112093 A 19950407; DK 112093 D0 19931006; DK 171924 B1 19970811; EP 0730722 A1 19960911; EP 0730722 B1 19980422

DOCDB simple family (application)  
**EP 9403230 W 19940927**; BR 9407756 A 19940927; CN 94193646 A 19940927; DE 69409826 T 19940927; DK 112093 A 19931006; EP 94927657 A 19940927