

Title (en)

BULK MATERIAL COOLING DEVICE FOR COOLING HOT MATERIALS THAT ARE TO BE COOLED

Title (de)

SCHÜTTGUTKÜHLER ZUM KÜHLEN VON HEISSEM KÜHLGUT

Title (fr)

DISPOSITIF DE REFROIDISSEMENT DE MATERIAU EN VRAC POUR REFROIDISSEMENT D'UN MATERIAU CHAUD

Publication

**EP 1695014 A2 20060830 (DE)**

Application

**EP 04803996 A 20041217**

Priority

- EP 2004014387 W 20041217
- DE 10359400 A 20031218

Abstract (en)

[origin: WO2005059462A2] The invention relates to a device for cooling bulk materials, particularly hot cement clinker, comprising a fixed ventilated cooling grate (11) and moving push elements (13a-13c) and having an increased service life. According to the invention, the push elements (13a-13c) are embodied in the form of hollow bodies and are cross-flown by a cooling medium (10) and are therefore cooled internally.

IPC 8 full level

**F27D 15/02** (2006.01)

CPC (source: EP US)

**F27D 15/0213** (2013.01 - EP US)

Citation (search report)

See references of WO 2005059462A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005059462 A2 20050630; WO 2005059462 A3 20050825**; CN 1922459 A 20070228; DE 10359400 A1 20050714; EP 1695014 A2 20060830; JP 2007518049 A 20070705; US 2007202454 A1 20070830

DOCDB simple family (application)

**EP 2004014387 W 20041217**; CN 200480037524 A 20041217; DE 10359400 A 20031218; EP 04803996 A 20041217; JP 2006544350 A 20041217; US 58330004 A 20041217