

Title (en)

Rotary cooler comprising a controlled sweep air system

Title (de)

Drehrohrkühler mit gesteuertem Spülluftsystem

Title (fr)

Refroidisseur rotatif comprenant un système d'air de balayage contrôlé

Publication

**EP 2889569 A1 20150701 (EN)**

Application

**EP 13306873 A 20131226**

Priority

EP 13306873 A 20131226

Abstract (en)

Rotary cooler (2) for cooling material discharged from a rotary kiln (1), in particular coke discharged from a calcination kiln, comprising a drum (11) having a drum axis (L), the drum (11) being rotatable about the drum axis (L), an inlet (10) through which the material is fed into the drum (11) and an outlet (12) through which the material is discharged from the drum (11), the inlet (10) and the outlet (12) being located at opposite ends of the drum (11) taken along the direction of the drum axis (L), characterized in that the rotary cooler (2) comprises a sweep air system (75) and a controller (76) configured for controlling said sweep air system (75) in order to prevent the entry of air into the drum (11) through the outlet (12) of the rotary cooler (2).

IPC 8 full level

**C10B 39/02** (2006.01); **F27D 15/02** (2006.01); **F28F 5/02** (2006.01)

CPC (source: EP)

**F27D 15/028** (2013.01); **F28F 5/02** (2013.01)

Citation (search report)

[I] JP 2001255077 A 20010921 - DAIDO STEEL CO LTD

Cited by

RU2771058C1; US11530881B2; WO2017215784A1; WO2019219233A1; WO2022243856A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2889569 A1 20150701**; EA 031513 B1 20190131; EA 201691093 A1 20161130; EP 3087334 A1 20161102; EP 3087334 B1 20180620; WO 2015097302 A1 20150702

DOCDB simple family (application)

**EP 13306873 A 20131226**; EA 201691093 A 20141226; EP 14821204 A 20141226; EP 2014079345 W 20141226