

Title (en)

A METHOD FOR IMPROVING THE EFFICIENCY OF HEAT TRANSFER IN A COAL FIRED FURNACE

Title (de)

VERFAHREN ZUR ERHÖHUNG DER EFFIZIENZ EINES WÄRMETRANSFERS IN EINEM KOHLEOFEN

Title (fr)

PROCÉDÉ POUR AMÉLIORER L'EFFICACITÉ DU TRANSFERT THERMIQUE DANS UN FOUR À CHARBON

Publication

**EP 2510077 A2 20121017 (EN)**

Application

**EP 10836441 A 20101202**

Priority

- US 95637010 A 20101130
- US 26771209 P 20091208
- US 2010058687 W 20101202

Abstract (en)

[origin: US2011131874A1] An additive having as components, at least three metal oxides selected from iron, manganese, cobalt, and copper oxide, may be added to coal to reduce the brightness of ash produced therewith. Further, the additive serves to increase the heat transfer efficiency of furnaces.

IPC 8 full level

**C10L 9/10** (2006.01); **C10L 10/00** (2006.01)

CPC (source: EP US)

**C10L 9/10** (2013.01 - EP US); **C10L 10/00** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US); **Y02E 50/30** (2013.01 - EP US)

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

DOCDB simple family (publication)

**US 2011131874 A1 20110609**; AU 2010328491 A1 20120607; CN 102639681 A 20120815; EP 2510077 A2 20121017; EP 2510077 A4 20131023; RU 2012128356 A 20140120; WO 2011071741 A2 20110616; WO 2011071741 A3 20111027

DOCDB simple family (application)

**US 95637010 A 20101130**; AU 2010328491 A 20101202; CN 201080054779 A 20101202; EP 10836441 A 20101202; RU 2012128356 A 20101202; US 2010058687 W 20101202