Title (en)

SYSTEMS AND METHODS FOR CONTROLLING AIR DISTRIBUTION IN A COKE OVEN

Title (de)

SYSTEME UND VERFAHREN ZUR STEUERUNG DER LUFTVERTEILUNG IN EINEM KOKSOFEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR RÉGULER LA DISTRIBUTION D'AIR DANS UN FOUR À COKE

Publication

EP 2938702 A4 20160713 (EN)

Application

EP 12891166 A 20121228

Priority

US 2012072173 W 20121228

Abstract (en)

[origin: WO2014105064A1] The present technology is generally directed to systems and methods for controlling air distribution in a coke oven. In a particular embodiment, a coke oven air distribution system comprises an oven chamber having an oven floor configured to support a coal bed, a plurality of sidewalls extending upward from the oven floor, and an oven crown covering a top portion of the oven chamber. The air distribution system further includes an air inlet positioned above the oven floor and a distributor proximate to the inlet. The inlet is configured to introduce air into the oven chamber and the distributor is configured to at least one of preheat, redirect, or spread air within the oven chamber.

IPC 8 full level

C10B 29/00 (2006.01); **C10B 15/02** (2006.01); **C10B 21/10** (2006.01)

CPC (source: EP)

C10B 15/02 (2013.01); **C10B 21/10** (2013.01)

Citation (search report)

- [X] CN 202359065 U 20120801 - SHANXI QINXIN ENERGY GROUP CO LTD
- [XI] WO 2009143948 A1 20091203 - UHDE GMBH [DE], et al
- [XI] WO 2010040435 A1 20100415 - UHDE GMBH [DE], et al
- [A] US 4287024 A 19810901 - THOMPSON BUSTER R

Citation (examination)

- CN 2435394 Y 20010620 - ZHANG BINGHUAI [CN]
- See also references of WO 2014105064A1

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)

WO 2014105064 A1 20140703; CA 2896477 A1 20140703; CA 2896477 C 20170328; CN 104870614 A 20150826; EP 2938702 A1 20151104; EP 2938702 A4 20160713

DOCDB simple family (application)

US 2012072173 W 20121228; CA 2896477 A 20121228; CN 201280077984 A 20121228; EP 12891166 A 20121228