Title (en)
COKING PLANT WITH FLUE GAS RECIRCULATION

Title (de)
VERKOKUNGSANLAGE MIT ABGASRÜCKFÜHRUNG

Title (fr)
INSTALLATION DE COKÉFACTION À RECYCLAGE DES GAZ BRÛLÉS

Publication
**EP 2414484 A1 20120208 (DE)**

Application
**EP 10705538 A 20100201**

Priority
• EP 2010000581 W 20100201
• DE 102009015270 A 20090401

Abstract (en)
[origin: WO2010112100A1] Process and apparatus for ensuring greater uniformity of the burn-up characteristics and for reducing the thermal NOx emissions of a coking plant on the basis of the non-recovery process or the heat-recovery process using a multiplicity of furnaces, each having a furnace chamber delimited by doors and side walls for a bed of coal or a compacted coal cake and an empty chamber located above said furnace chamber, apparatuses for extracting the flue gas from the empty chamber, devices for supplying fresh air into the empty chamber, furthermore a system of sole flues for guiding flue gas or secondary feed air, which is integrated at least partially in the base underneath the furnace chamber, wherein some of the flue gas produced in the furnace is recirculated into the furnace chamber via openings or channels for the combustion process of the furnace.

IPC 8 full level
**C10B 15/02** (2006.01); **C10B 21/18** (2006.01); **F23C 9/00** (2006.01)

CPC (source: EP KR US)
**C10B 15/02** (2013.01 - EP KR US); **C10B 21/18** (2013.01 - EP KR US); **F23C 5/08** (2013.01 - EP US); **F23C 9/00** (2013.01 - KR); **F23C 9/003** (2013.01 - EP US)

Citation (search report)
See references of WO 2010112100A1

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DOCDB simple family (publication)
**WO 2010112100 A1 20101007**; AR 075620 A1 20110420; AU 2010230630 A1 20110922; BR PI1006530 A2 20190924; CA 2756987 A1 20101007; CL 2011002423 A1 20120608; CL 2011002450 A1 20120302; CN 102378803 A 20120314; CN 102378803 B 20160323; CO 6400152 A2 20120315; CU 20110182 A7 20120621; CU 23907 B1 20130628; DE 102009015270 A1 20101014; EG 26409 A 20131022; EP 2414484 A1 20120208; JP 2012522849 A 20120927; KR 20120028863 A 20120323; MX 2011010340 A 20111028; PE 20120930 A1 20120818; RU 2011140429 A 20130510; RU 2549858 C2 20150427; TW 201037069 A 20101016; US 2012006668 A1 20120112; US 8940136 B2 20150127; ZA 201107473 B 20120829

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