

Title (en)

GASIFICATION DEVICE AND PROCESS WITH CONTINUOUS SOLID DISCHARGE

Title (de)

VERGASUNGSVORRICHTUNG UND VERGASUNGSVERFAHREN MIT KONTINUIERLICHEM FESTSTOFFAUSTRAG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE GAZÉIFICATION AVEC EXTRACTION CONTINUE DE SOLIDES

Publication

EP 2300570 B1 20190904 (DE)

Application

EP 09777138 A 20090711

Priority

- EP 2009005059 W 20090711
- DE 102008033094 A 20080715

Abstract (en)

[origin: WO2010006747A2] The invention relates to a method for removing clinker and ashes from a gasification reactor, said solids being conveyed from the gasification reactor to a water bath which is present along with the gasification reactor in a pressure vessel, at least two removal containers being present below the water bath. The removal containers are supplied with a water/solid flow via a conduit and a distributor. The removal containers can be supplied with a water/solid flow individually and in a controlled manner via shut-off devices, the filling of the containers being controlled in such a manner that the process of deposition is promoted by withdrawing a liquid flow from the filling removal container and the filling is time-controlled in such a manner that the solids are prevented from being deposited upstream of the valves and the removal containers. The invention also relates to a device comprising at least two removal containers below the water bath of a gasification reactor, a distributor and shut-off devices being mounted between the water bath and the removal containers in a preferred embodiment.

IPC 8 full level

C10J 3/52 (2006.01); **C10J 3/84** (2006.01)

CPC (source: EP KR US)

C10J 3/52 (2013.01 - EP KR US); **C10J 3/526** (2013.01 - EP US); **C10J 3/72** (2013.01 - KR); **C10J 3/84** (2013.01 - EP US); **C10L 3/00** (2013.01 - KR); **C10J 2300/1628** (2013.01 - EP US); **Y10T 137/0318** (2015.04 - EP US); **Y10T 137/794** (2015.04 - EP US)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010006747 A2 20100121; **WO 2010006747 A3 20100722**; AP 2011005570 A0 20110228; AU 2009270462 A1 20100121; AU 2009270462 B2 20141009; CA 2730688 A1 20100121; CA 2730688 C 20160920; CN 102099446 A 20110615; CU 20110006 A7 20120629; DE 102008033094 A1 20100128; EP 2300570 A2 20110330; EP 2300570 B1 20190904; KR 101612029 B1 20160412; KR 20110033996 A 20110404; RU 2011105410 A 20120820; TW 201005081 A 20100201; TW I463005 B 20141201; UA 104726 C2 20140311; US 2011168648 A1 20110714; US 8915980 B2 20141223; ZA 201100339 B 20111026

DOCDB simple family (application)

EP 2009005059 W 20090711; AP 2011005570 A 20090711; AU 2009270462 A 20090711; CA 2730688 A 20090711; CN 200980127364 A 20090711; CU 20110006 A 20110114; DE 102008033094 A 20080715; EP 09777138 A 20090711; KR 20117000269 A 20090711; RU 2011105410 A 20090711; TW 98123715 A 20090714; UA A201101627 A 20090711; US 73742909 A 20090711; ZA 201100339 A 20110113