

Title (en)

BOTTOM PRODUCT COOLING IN A FLUIDIZED-BED GASIFICATION

Title (de)

BODENPRODUKTKÜHLUNG BEI EINER WIRBELSCHICHTVERGASUNG

Title (fr)

REFROIDISSEMENT DU PRODUIT DE FOND RÉSULTANT DE LA GAZÉIFICATION EN LIT FLUIDISÉ

Publication

**EP 2814914 A1 20141224 (DE)**

Application

**EP 13703022 A 20130204**

Priority

- DE 102012002711 A 20120214
- EP 2013052143 W 20130204

Abstract (en)

[origin: CA2865027A1] With a method for cooling and pressure expansion of the bottom product produced in a fluidized-bed gasification of biomass, brown coal, hard coal with a high ash content, an economic solution for cooling and pressure expansion of the bottom product produced is to be ensured, which is achieved by the bottom product leaving the fluidized bed at a maximum of 1500°C and a pressure of up to 40 bar being fed to an intermediate store, then from the intermediate store to a pressure tank having a cooling system and then to an expansion system.

IPC 8 full level

**C10J 3/52** (2006.01)

CPC (source: EP US)

**B01J 8/24** (2013.01 - US); **C10G 1/002** (2013.01 - US); **C10J 3/523** (2013.01 - EP US); **C10J 2300/0916** (2013.01 - EP US); **C10J 2300/093** (2013.01 - EP US); **Y02E 20/16** (2013.01 - EP US)

Citation (search report)

See references of WO 2013120721A1

Citation (examination)

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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)

**DE 102012002711 A1 20130814**; AU 2013220570 A1 20140904; BR 112014019963 A2 20170620; BR 112014019963 A8 20170711; CA 2865027 A1 20130822; CN 104220566 A 20141217; EP 2814914 A1 20141224; IN 7555DEN2014 A 20150424; RU 2014134099 A 20160410; TW 201335356 A 20130901; US 2015011811 A1 20150108; WO 2013120721 A1 20130822

DOCDB simple family (application)

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