

Title (en)

Method and apparatus for gasifying solid fuels

Title (de)

Verfahren und Vorrichtung zur Vergasung fester Brennstoffe

Title (fr)

Procédé et dispositif de gazage de combustibles solides

Publication

**EP 2281864 B1 20170301 (DE)**

Application

**EP 09167484 A 20090807**

Priority

EP 09167484 A 20090807

Abstract (en)

[origin: EP2281864A1] The method involves injecting degasification agent (4) i.e. air, into a middle section of a reactor chamber (2) of a fixed bed reactor (23). A partial stream of the injected degasification agent is upwardly guided in a countercurrent flow and removed as pyrolysis gas (7) from the fixed bed reactor. Another partial stream of the injected degasification agent is downwardly guided in a co-current flow and removed from the reactor. The former partial stream is downwardly guided outside the reactor chamber and supplied into the reactor chamber. An independent claim is also included for a device for gasifying a solid fuel.

IPC 8 full level

**C10J 3/26** (2006.01); **C10J 3/30** (2006.01); **C10J 3/66** (2006.01); **C10J 3/72** (2006.01)

CPC (source: EP)

**C10J 3/20** (2013.01); **C10J 3/26** (2013.01); **C10J 3/30** (2013.01); **C10J 3/40** (2013.01); **C10J 3/66** (2013.01); **C10J 3/72** (2013.01); **C10J 3/725** (2013.01); **C10J 2200/09** (2013.01); **C10J 2200/152** (2013.01); **C10J 2200/156** (2013.01); **C10J 2300/0916** (2013.01); **C10J 2300/1807** (2013.01)

Citation (examination)

DE 636763 C 19361015 - BOHUMIL FLEISER

Cited by

CN103666569A; CN102530863A; KR102233960B1; AT526206A1; CN103666570A; AT512361B1; US9115321B2; US9422491B2; WO2012126986A1

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)

**EP 2281864 A1 20110209**; **EP 2281864 B1 20170301**; DE 202009012833 U1 20100121; DK 2281864 T3 20170619; HR P20170732 T1 20170728; HU E034286 T2 20180228; LT 2281864 T 20170725; PL 2281864 T3 20170929; SI 2281864 T1 20170831

DOCDB simple family (application)

**EP 09167484 A 20090807**; DE 202009012833 U 20090807; DK 09167484 T 20090807; HR P20170732 T 20170516; HU E09167484 A 20090807; LT 09167484 T 20090807; PL 09167484 T 20090807; SI 200931655 T 20090807