

Title (en)

A METHOD FOR GASIFYING SOLID ORGANIC MATERIALS AND APPARATUS THEREFOR

Title (de)

VERFAHREN ZUM VERGASEN VON FESTEN ORGANISCHEN MATERIALIEN UND VORRICHTUNG DAFÜR

Title (fr)

PROCÉDÉ DE GAZÉIFICATION DE MATIÈRES ORGANIQUES SOLIDES ET APPAREIL ASSOCIÉ

Publication

EP 2032503 A4 20110406 (EN)

Application

EP 07795052 A 20070517

Priority

- US 2007011965 W 20070517
- US 80157406 P 20060518
- US 80103007 A 20070508

Abstract (en)

[origin: US2007266914A1] A method for gasifying solid organic materials, a novel apparatus for that purpose, and a system therefor. A unique method and apparatus that produces a high energy, low temperature, low particulate-laden syngas by controlling the oxygen content in combustion air used for "starved air" combustion of biomass in a unique gasifier. Recirculated flue gas containing a predetermined amount of fresh air is utilized for the oxygen content therein and for controlling the method.

IPC 8 full level

C01B 3/24 (2006.01)

CPC (source: EP US)

C10J 3/30 (2013.01 - EP US); **C10J 3/34** (2013.01 - EP US); **C10J 3/40** (2013.01 - EP US); **F23G 5/027** (2013.01 - EP US); **F23G 7/10** (2013.01 - EP US); **F23G 7/12** (2013.01 - EP US); **C10J 2200/15** (2013.01 - EP US); **C10J 2200/158** (2013.01 - EP US); **C10J 2300/0916** (2013.01 - EP US); **C10J 2300/092** (2013.01 - EP US); **F23G 2900/7003** (2013.01 - EP US); **Y02E 20/12** (2013.01 - EP US); **Y02P 20/145** (2015.11 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2007136786A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007266914 A1 20071122; BR PI0711715 A2 20111206; CA 2649285 A1 20071129; EP 2032503 A1 20090311; EP 2032503 A4 20110406; US 2010313796 A1 20101216; US 2012137582 A1 20120607; WO 2007136786 A1 20071129

DOCDB simple family (application)

US 80103007 A 20070508; BR PI0711715 A 20070517; CA 2649285 A 20070517; EP 07795052 A 20070517; US 2007011965 W 20070517; US 201213372061 A 20120213; US 86075910 A 20100820