

Title (en)

PROCESS AND PLANT FOR AT LEAST PARTIAL GASIFICATION OF SOLID ORGANIC INPUT MATERIAL

Title (de)

VERFAHREN UND ANLAGE ZUR ZUMINDEST TEILWEISEN VERGASUNG VON FESTEM, ORGANISCHEM EINSATZMATERIAL

Title (fr)

PROCÉDÉ ET INSTALLATION DE GAZÉIFICATION AU MOINS PARTIELLE D'UN MATÉRIAU D'ALIMENTATION ORGANIQUE SOLIDE

Publication

EP 2997111 A1 20160323 (DE)

Application

EP 14723708 A 20140430

Priority

- DE 102013008518 A 20130516
- EP 2014001157 W 20140430

Abstract (en)

[origin: CA2912123A1] A process (100) is proposed for at least partial gasification of solid organic input material (A), in which a tar-containing carbonization gas (B) is obtained from the input material (A) by carbonization in a low-temperature gasifier (1), and the carbonization gas (B) is then converted to a synthesis gas (D) by partial oxidation and subsequently partial reduction in a high-temperature gasifier (2). The carbonization gas (B) is contacted with a fraction of the synthesis gas (D) and/or of a gas mixture (E) diverted from the synthesis gas (D). The invention likewise provides a plant (10) set up for performance of the process (1).

IPC 8 full level

C10B 47/00 (2006.01); **C01B 3/36** (2006.01)

CPC (source: EP US)

C01B 3/36 (2013.01 - EP US); **C10B 49/02** (2013.01 - EP US); **C10B 53/02** (2013.01 - EP US); **C10B 57/02** (2013.01 - US); **C10B 57/14** (2013.01 - US); **C10K 1/005** (2013.01 - EP US); **C10K 3/005** (2013.01 - EP US); **C10K 3/06** (2013.01 - EP US); **C01B 2203/025** (2013.01 - EP US); **C01B 2203/148** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2014183837A1

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 102013008518 A1 20141120; AU 2014267710 A1 20151126; BR 112015028517 A2 20170725; CA 2912123 A1 20141120; CN 105392868 A 20160309; EP 2997111 A1 20160323; US 2016115020 A1 20160428; WO 2014183837 A1 20141120

DOCDB simple family (application)

DE 102013008518 A 20130516; AU 2014267710 A 20140430; BR 112015028517 A 20140430; CA 2912123 A 20140430; CN 201480028477 A 20140430; EP 14723708 A 20140430; EP 2014001157 W 20140430; US 201414890646 A 20140430