

Title (en)
IMPROVED COAL GASIFICATION

Title (de)
VERBESSERTE KOHLEVERGASUNG

Title (fr)
GAZÉIFICATION AMÉLIORÉE DU CHARBON

Publication
EP 2935525 A4 20161005 (EN)

Application
EP 12890529 A 20121218

Priority
CN 2012086808 W 20121218

Abstract (en)
[origin: WO2014094217A1] A two-zone gasifier is used to produce syngas from coal fines, oxygen and steam. The two-zone gasifier has a top fluidized gasification zone and a bottom entrained flow gasification zone connected by a Venturi throat. The syngas production will occur in both zones with the syngas being collected from the top of the gasifier.

IPC 8 full level
C10J 3/20 (2006.01); **C10J 3/46** (2006.01)

CPC (source: EP RU US)
C10J 3/46 (2013.01 - RU); **C10J 3/463** (2013.01 - US); **C10J 3/466** (2013.01 - US); **C10J 3/482** (2013.01 - EP US);
C10J 3/485 (2013.01 - EP US); **C10J 3/54** (2013.01 - RU); **C10J 3/56** (2013.01 - RU); **C10J 3/721** (2013.01 - EP US);
C10J 3/82 (2013.01 - EP US); **C10K 1/026** (2013.01 - EP US); **C10J 2200/15** (2013.01 - US); **C10J 2300/093** (2013.01 - US);
C10J 2300/0933 (2013.01 - EP US); **C10J 2300/0936** (2013.01 - EP US); **C10J 2300/0959** (2013.01 - EP US); **C10J 2300/0976** (2013.01 - EP US)

Citation (search report)
• [XJ] EP 0050905 A1 19820505 - BRITISH GAS CORP [GB]
• [XA] GB 673648 A 19520611 - DIRECTIE STAATSMIJNEN NL
• [XA] US 4799937 A 19890124 - NIEMINEN JORMA J [FI]
• [XA] US 3782913 A 19740101 - DONATH E
• [XA] EP 0099833 A1 19840201 - CREUSOT LOIRE [FR]
• See references of WO 2014094217A1

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

DOCDB simple family (publication)
WO 2014094217 A1 20140626; AU 2012397141 A1 20150625; CA 2893970 A1 20140626; CN 104995286 A 20151021;
EP 2935525 A1 20151028; EP 2935525 A4 20161005; RU 2015129477 A 20170123; RU 2628390 C2 20170816; US 2015315498 A1 20151105;
ZA 201504329 B 20191218

DOCDB simple family (application)
CN 2012086808 W 20121218; AU 2012397141 A 20121218; CA 2893970 A 20121218; CN 201280077646 A 20121218;
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