

Title (en)
METHOD FOR GENERATING SYNTHESIS GAS

Title (de)
VERFAHREN ZUR ERZEUGUNG VON SYNTHESSEGAS

Title (fr)
PROCÉDÉ DE PRODUCTION DE GAZ DE SYNTHÈSE

Publication
EP 2616528 A1 20130724 (DE)

Application
EP 11757770 A 20110902

Priority
• DE 102010045537 A 20100915
• EP 2011004435 W 20110902

Abstract (en)
[origin: CA2810442A1] A method for generating synthesis gas by gasification of solid or liquid carbonaceous fuels with an oxygen-containing oxidizing agent in a reactor, wherein the synthesis gas is removed from the reactor overhead and the mineral ash/slag droplets produced during the reaction are removed from the reactor downwards in the direction of gravity, is intended to make it possible to use a markedly less expensive fire-tube boiler for heat removal instead of a radiant boiler. This is achieved in that the synthesis gas is passed uncooled over a hot gas filter (2) and subsequently for cooling through a fire-tube boiler (3), wherein the ash/slag particles separated off at the hot gas filter (2) are recirculated in the direction of gravity back to the gasification reactor (2).

IPC 8 full level
C10J 3/52 (2006.01); **C10J 3/84** (2006.01)

CPC (source: EP KR RU US)
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See references of WO 2012034654A1

Designated contracting state (EPC)
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