

Title (en)

PROCESS FOR PRODUCING SYNTHESIS GAS

Title (de)

HERSTELLUNGSPROZESS FÜR SYNTHESSEGAS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN GAZ SYNTHÉTIQUE

Publication

EP 2655566 A1 20131030 (EN)

Application

EP 11799698 A 20111220

Priority

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- EP 11799698 A 20111220

Abstract (en)

[origin: WO2012084953A1] A process for controlling the carbon conversion of a gasifier fuelled with a carbonaceous feedstock by mixing in biomass, the process comprising the steps of (a) pressurizing the biomass and carbonaceous feedstock; (b) introducing the biomass and carbonaceous feedstock into the gasification reactor vessel; (c) partially oxidizing the carbonaceous feedstock/biomass with a molecular oxygen-comprising gas to obtain a synthesis gas comprising carbon monoxide and hydrogen; (d) measuring the CO₂ content of the syngas and comparing with a pre-determined value range; (e) adjusting the biomass/carbonaceous feedstock ratio by changing the biomass feed rate; wherein said biomass and carbonaceous feedstock comprises from 10 wt% to 50 wt% of biomass and wherein the level of biomass is adjusted within this range to control the carbon conversion.

IPC 8 full level

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CPC (source: EP US)

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