Title (en)

Process for controlling the start-up of a fluidised bed gasification of solid fuel.

Title (de)

Verfahren zum Regeln des Anfahrens einer Vergasung fester Brennstoffe im Wirbelzustand.

Title (fr)

Procédé pour la régulation de la mise en marche d'une gasification en lit fluidisé d'un combustible solide.

Publication

EP 0484993 B1 19940105 (DE)

Application

EP 91202539 A 19911001

Priority

DE 4035293 A 19901107

Abstract (en)

[origin: US5145491A] Fuels are gasified in a fluidized state by a treatment with oxygen-containing gas and water vapor in a gasifying reactor. A solids mixture which contains ash and fine-grained fuels is combusted in a heating-up phase, which precedes the gasification and in which the temperature in the reactor is increased approximately to the temperature desired for the gasification. In a succeeding inertizing phase the supply rate of oxygen-containing gas is decreased and an inert gas is fed to the reactor until the product gas no longer contains free oxygen whereas the temperature is maintained virtually constant. In the succeeding gasification the fuel supply rate is increased and, after an adjusting time, the temperature is maintained virtually constant at the value desired for the gasification in the range from 600 DEG to 1500 DEG C. The gasification temperature is controlled by a change of the fuel supply rate.

IPC 1-7

C10J 3/54

IPC 8 full level

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CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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