

Title (en)

PROCESS FOR OPERATING A FLUIDIZED BED REACTOR FOR GASIFYING CARBONACEOUS MATERIAL

Publication

EP 0030323 B1 19860507 (DE)

Application

EP 80107380 A 19801126

Priority

- DE 2949533 A 19791208
- DE 3033115 A 19800903

Abstract (en)

[origin: EP0030323A1] 1. A method of operating a fluidized bed reactor for the gasification of solid, carbon-bearing material using gasification agents which produce exothermic and endothermic reactions, with a post-reaction chamber which is disposed above the fluidized bed and through which flow carbon-bearing solid particles and the gas mixture issuing from the fluidized bed, wherein gasification agents are introduced into the fluidized bed and by way of at least three injection regions disposed along the longitudinal axis of the reactor, into the post-reaction chamber, characterized in that the gasification agents for producing exothermic and endothermic reactions are introduced into the post-reaction chamber in a metered fashion and distributed along the longitudinal axis of the reactor in such a way that above the fluidized bed a high temperature of maximum possible uniformity is maintained along the longitudinal axis of the reactor in the region of the gasification agent feed, and the temperature in the post-reaction chamber in that region is not lower than the temperature of the gas issuing from the fluidized bed.

IPC 1-7

C10J 3/54

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C10J 3/54 (2006.01)

CPC (source: EP)

C10J 3/503 (2013.01); **C10J 3/54** (2013.01); **C10J 2300/093** (2013.01); **C10J 2300/0959** (2013.01); **C10J 2300/0969** (2013.01); **C10J 2300/0976** (2013.01); **C10J 2300/1807** (2013.01)

Citation (examination)

- US 2558746 A 19510703 - GAUCHER LEON P
- US 1913968 A 19330613 - FRITZ WINKLER
- DE 2801574 B1 19781221
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EP 80107380 A 19801126; AU 6511580 A 19801205; BR 8008022 A 19801208; DD 22584180 A 19801208; DE 3071595 T 19801126; GR 800163492 A 19801128; TR 2187780 A 19801205