

Title (en)
PROCESS FOR STARTING-UP A GASIFIER

Publication
EP 0303851 B1 19910619 (DE)

Application
EP 88111829 A 19880722

Priority
DE 3727146 A 19870814

Abstract (en)
[origin: US4881949A] For starting a gasifier for the gasification of carbonaceous fuel with an oxygen-bearing gasification agent in a fluidized bed, the gasifier is filled with an inert gaseous medium and put under an increased pressure. After sealing integrity has been established, a combustible gas mixture is ignited in a combustion chamber connected to the lower part of the gasifier, by means of an ignition device which operates under pressure. The gas mixture is thus burnt, while the increased pressure in the gasifier is maintained, at least until the temperature within the gasifier corresponds to the gasification temperature. The arrangement for carrying the method into effect includes a pressure-resistant combustion chamber for combustion of the combustible gas mixture by means of the ignition device. The combustion chamber is connected at least at times to the lower part of the gasifier, by way of an openable slide member. The combustion chamber is arranged at an acute angle relative to the longitudinal axis of the gasifier.

IPC 1-7
C10J 3/54

IPC 8 full level
C10J 3/54 (2006.01)

CPC (source: EP US)
C10J 3/482 (2013.01 - EP US); **C10J 3/54** (2013.01 - EP US); **C10J 3/726** (2013.01 - EP US); **C10J 2300/093** (2013.01 - EP US)

Cited by
EP0511479A1; US5443937A; DE102014108673A1; EP0484993A1; US5145491A

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DE ES GB GR SE

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DE 3727146 C1 19880922; CN 1031249 A 19890222; DE 3863326 D1 19910725; EP 0303851 A2 19890222; EP 0303851 A3 19891018; EP 0303851 B1 19910619; ES 2022549 B3 19911201; GR 3002165 T3 19921230; US 4881949 A 19891121

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DE 3727146 A 19870814; CN 88106034 A 19880811; DE 3863326 T 19880722; EP 88111829 A 19880722; ES 88111829 T 19880722; GR 910400793 T 19910620; US 22485588 A 19880727