

Title (en)
PROCESS FOR GASIFYING FUEL WITH OXYGEN IN A SHAFT FURNACE

Publication
EP 0277935 B1 19911106 (DE)

Application
EP 88890012 A 19880125

Priority
AT 17787 A 19870129

Abstract (en)
[origin: US4776285A] When gasifying fuels with oxygen in a shaft-like furnace adapted to receive solid charging stock and including a primary gas chamber on its lower end to be charged by at least one burner, a fixed bed is formed in the primary gas chamber by the charging stock. The charging stock is gasified by the hot offgases from the burner. The gas forming, upon passage through the fixed bed, is extracted from the furnace as a product gas. In order to keep the product gas free of impurities that constitute a load on the environment and limit its usability, such as tar and other higher hydrocarbons, an oxygen-containing gas is injected into the furnace space filled by the product gas and a slight portion of the product gas is burnt.

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IPC 8 full level
C10J 3/02 (2006.01); **C10J 3/08** (2006.01); **C10J 3/16** (2006.01); **C10J 3/20** (2006.01)

CPC (source: EP US)
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Cited by
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