

Title (en)

METHOD FOR PREVENTING BUILDUP OF ASH IN A STEAM-GASIFICATION REACTOR

Publication

**EP 0019487 B1 19830323 (EN)**

Application

**EP 80301656 A 19800520**

Priority

US 4096879 A 19790521

Abstract (en)

[origin: EP0019487A1] A method for producing a combustible gas by gasifying coke containing between about 0.1 to about 5 weight % inorganic ash with steam and preventing ash buildup in excess of 30 weight % in the gasification reactor includes entraining the solids (coke and inorganic ash) in the gas product, separating the larger particles of such solids from the smaller and recycling only the larger particles to the reactor bed. It is found that these larger particles (say larger than about 200 US mesh) include substantially all the unreacted coke particles. An overall gasification efficiency of 90% by weight of the carbon in the coke is thereby achieved.

IPC 1-7

**C10J 3/54**; **C10J 3/84**

IPC 8 full level

**C10J 3/54** (2006.01); **C10J 3/84** (2006.01)

CPC (source: EP)

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Cited by

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