

Title (en)

A method of converting a sulphur-containing fuel to a substantially sulphur-free combustible gas.

Title (de)

Umwandlung von mit Schwefel verunreinigtem Brennstoff in schwefelfreies brennbares Gas.

Title (fr)

Conversion d'un combustible contenant du soufre en gaz combustible exempt de soufre.

Publication

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Application

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Priority

GB 2363977 A 19770603

Abstract (en)

The amount of sulfur compounds in combustible gas produced by partial oxidation of a sulfur-containing fuel, particularly sulfur-containing mineral oil, in a fluidized bed of particles comprising alkaline earth metal oxide can be maintained below a desired level by expedients such as increasing the amount of alkaline earth metal oxide relative to the sulfur in the fuel. These and other possible expedients may attain limiting values due to excessive pressure drop in the fluidized bed and/or reduced combustible gas production. In the practice of the invention, it is surprisingly found that the amount of sulfur compound may be maintained below a desired level when a limiting operating condition has been attained or approached by adding fine solids into the combustible gas product. The fine solids may be recovered and re-used, e.g. by injection into the fluidized bed.

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IPC 8 full level

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