

Title (en)

A process for the catalytic gasification of carbonaceous materials.

Title (de)

Verfahren zur katalytischen Vergasung von kohlenstoffhaltigen Brennstoffen.

Title (fr)

Procédé pour la gazéification catalytique de matières carbonées.

Publication

EP 0007247 A1 19800123 (EN)

Application

EP 79301418 A 19790717

Priority

US 92566478 A 19780717

Abstract (en)

A process for the catalytic gasification of carbonaceous materials is performed in the presence of a catalyst comprising an added potassium salt of an acid having an ionization constant exceeding 10^{-3} , which salt has relatively poor catalytic activity (compared to the activity of potassium carbonate) and a sodium or lithium compound. The sodium or lithium compound is either a salt of a weak acid having an ionization constant of less than 10^{-3} or a salt of a strong acid that is converted (temporarily or permanently) to a salt of a weak acid having an ionization constant less than 10^{-3} , under the condition of the gasification reactions. High gasification rates may thus be achieved employing catalyst materials which are relatively cheaper than potassium carbonate.

IPC 1-7

C10J 3/00; **C10J 3/54**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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