

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.

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**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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