

Title (en)

A PROCESS FOR THE CATALYTIC GASIFICATION OF CARBONACEOUS MATERIALS

Publication

EP 0007247 B1 19821124 (EN)

Application

EP 79301418 A 19790717

Priority

US 92566478 A 19780717

Abstract (en)

[origin: EP0007247A1] 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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Cited by

EP0035887A3; FR2478615A1; FR2549488A1; CN107497467A; US10464872B1; WO2014160597A1; WO2014134000A1; US10435637B1; US10344231B1; US7883674B2; US10618818B1; US7513260B2

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