Title (en)

A process for the production of an acetylene base stable fuel gas, the products obtained by this process and the use of the produced acetylene base fuel gas.

Title (de)

Verfahren zur Herstellung eines stabilen Acetylenbrennstoffgases, die nach diesem Verfahren erhaltenen Produkte und Verwendung des hergestellten Acetylenbrennstoffgases.

Title (fr)

Procédé pour la production d'un gaz combustible stable à base d'acétylène, produits obtenus selon ce procédé et utilisation du gaz combustible à base d'acétylène ainsi obtenu.

Publication

EP 0021748 A1 19810107 (EN)

Application

EP 80301997 A 19800613

Priority

• US 4994879 A 19790618
• US 14530480 A 19800430

Abstract (en)

A relatively safe and stable acetylene base fuel gas of enhanced BTU output is prepared, without formation of undesirable by-products, through the reaction of a carbide, such as calcium carbide, with a liquid activator comprised of water, a water-soluble rate-controlling-substance, and a strong inorganic acid. The resulting fuel gas includes a composition which acts as a top cylinder lubricant for an internal combustion engine and thus is suitable for powering such an engine or a power plant. Preferably, the calcium carbide employed is provided with an air and moisture impermeable coating, which is degraded upon contact by the activator.

IPC 1-7

C10H 15/00; C10H 21/00

IPC 8 full level

C10H 15/00 (2006.01); C10H 21/00 (2006.01)

CPC (source: EP)

C10H 15/00 (2013.01); C10H 21/00 (2013.01)

Citation (search report)

• BE 350928 A
• BE 498601 A 19510201

Cited by

EP0079407B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0021748 A1 19810107; EP 0021748 B1 19841003; AU 541763 B2 19850117; AU 5925580 A 19810108; BR 8003766 A 19810113; CA 1179138 A 19841211; DE 3069350 D1 19841108; ES 493057 A0 19810616; ES 8105772 A1 19810616; GR 68769 B 19820217; IE 51141 B1 19861015; IE 801217 L 19801218; IL 60346 A0 19800916; IL 60346 A 19830930; MX 155550 A 19880325; PH 16563 A 19831118; PT 71409 A 19800701

DOCDB simple family (application)

EP 80301997 A 19800613; AU 5925580 A 19800612; BR 8003766 A 19800617; CA 353665 A 19800610; DE 3069350 T 19800613; ES 493057 A 19800618; GR 800162225 A 19800617; IE 121780 A 19800612; IL 6034680 A 19800618; MX 18281880 A 19800618; PH 24158 A 19800618; PT 7140980 A 19800618