

Title (en)

GASOLINE COMPOSITION AND METHOD FOR ITS PREPARATION

Publication

EP 0049995 B1 19840912 (EN)

Application

EP 81304627 A 19811006

Priority

- GB 8032839 A 19801010
- GB 8107435 A 19810310

Abstract (en)

[origin: EP0049995A1] A novel gasoline additive is described comprising a mixture of methanol, iso-propanol, methyl t-butyl ether and, optionally, a C5- isomerate, typically in amounts of, per 100 parts by weight of additive, from about 5 to about 90 parts by weight methanol, from about 3 to about 35 parts by weight iso-propanol, from about 3 to about 35 parts by weight methyl t-butyl ether, and from 0 to 35 parts by weight of C5- isomerate. A process is described for producing such an additive from natural gas streams by isomerising n-butane component thereof to iso-butane, dehydrogenating propane component of the natural gas stream to propylene and iso-butane formed by isomeration of n-butane to iso-butene respectively, converting resulting propylene to iso-propanol, etherifying resulting iso-butene with methanol to form methyl t-butyl ether, and blending resulting iso-propanol and methyl t-butyl ether with methanol, and optionally with a C5- isomerate formed by isomerising C5 and heavier hydrocarbons present in the natural gas stream, to form the additive.

IPC 1-7

C10L 1/02

IPC 8 full level

C10L 1/02 (2006.01)

CPC (source: EP)

C10L 1/023 (2013.01)

Citation (examination)

- US 2104021 A 19380104 - CLEO CALLIS CONRAL
- American Petroleum Institute publication: Alcohols- A technical assessment of their application as fuels

Cited by

EP1203803A1; EP0505843A1; US5232464A; AT404596B

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