

Title (en)

Gasoline composition and method for its preparation.

Title (de)

Benzinzusammensetzung und Methode zu deren Herstellung.

Title (fr)

Composition d'essence et méthode pour sa préparation.

Publication

EP 0049995 A1 19820421 (EN)

Application

EP 81304627 A 19811006

Priority

- GB 8032839 A 19801010
- GB 8107435 A 19810310

Abstract (en)

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)

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C10L 1/023 (2013.01)

Citation (search report)

- DE 2419439 A1 19751113 - HUELS CHEMISCHE WERKE AG
- GB 1493754 A 19771130 - TEXACO DEVELOPMENT CORP

Cited by

EP0505843A1; EP1203803A1; US5232464A; AT404596B

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