

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

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0049995 A1 19820421; EP 0049995 B1 19840912; CA 1169652 A 19840626; DE 3166058 D1 19841018; NO 813424 L 19820413

DOCDB simple family (application)
EP 81304627 A 19811006; CA 387709 A 19811009; DE 3166058 T 19811006; NO 813424 A 19811009