Title (en)

GASOLINE COMPOSITIONS WITH IMPROVED OCTANE NUMBER

Title (de)

BENZINZUSAMMENSETZUNGEN MIT VERBESSERTER OKTANZAHL

Title (fr)

COMPOSITIONS D'ESSENCE À INDICE D'OCTANE AMÉLIORÉ

Publication

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Application

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Abstract (en)

[origin: WO2017006142A1] The present invention aims a new gasoline composition comprising a gasoline fuel and from 0.05 to 1% of a specific low quantity of a glycerol ketal or acetal. The new gasoline composition shows a higher octane number compared to known gasoline compositions. The invention also aims at the use of said glycerol ketal or acetal as a metal free octane booster additive for octane adjustment of gasoline compositions.

IPC 8 full level

C10L 1/18 (2006.01); **C10L 1/185** (2006.01); **C10L 1/19** (2006.01); **C10L 10/10** (2006.01)

CPC (source: EP US)

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Citation (examination)

CLAUDIO J. A. MOTA ET AL: "Glycerin Derivatives as Fuel Additives: The Addition of Glycerol/Acetone Ketal (Solketal) in Gasolines", ENERGY & FUELS., vol. 24, no. 4, 15 April 2010 (2010-04-15), WASHINGTON, DC, US., pages 2733 - 2736, XP055574971, ISSN: 0887-0624, DOI: 10.1021/ef9015735

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