

Title (en)

ORTHO-ALKYLPHENOL DERIVED MANNICH DETERGENT COMPOSITION AND CONCENTRATE, FUEL AND METHOD THEREOF

Title (de)

AUS ORTHO-ALKYLPHENOL ABGELEITETE MANNICHREINIGUNGSMITTELSZUSAMMENSETZUNG UND KONZENTRAT, BRENNSTOFF UND ENTSPRECHENDES VERFAHREN

Title (fr)

COMPOSITION DETERGENTE DE MANNICH DERIVEE D'ORTHO-ALKYLPHENOLE ET CONCENTRE, CARBURANT ET PROCEDE CORRESPONDANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02090471A2] A detergent composition comprises a Mannich reaction product of a hydrocarbyl-substituted ortho-alkyl substituted phenol (1) or a mixture of the phenol (1) and a hydrocarbyl-substituted phenol (2), an aldehyde, and an amine where the phenol (1) is present in the mixture at about 50 mole % or higher. Concentrate and fuel compositions include the detergent composition. A method of controlling deposits in an internal combustion engine comprises operating the engine with the fuel composition which results in unexpectedly superior detergent performance.

IPC 1-7

C10L 1/22; **C10L 1/14**; **C10L 10/00**

IPC 8 full level

C08F 8/32 (2006.01); **C10L 1/14** (2006.01); **C10L 1/22** (2006.01); **C10L 1/222** (2006.01); **C10L 1/238** (2006.01); **C10L 1/2387** (2006.01); **C10L 10/00** (2006.01); **C10L 1/18** (2006.01)

CPC (source: EP US)

C08F 8/32 (2013.01 - EP US); **C10L 1/143** (2013.01 - EP US); **C10L 1/221** (2013.01 - EP US); **C10L 1/2225** (2013.01 - EP US); **C10L 1/238** (2013.01 - EP US); **C10L 1/2387** (2013.01 - EP US); **C10L 10/04** (2013.01 - EP US); **C10L 1/1985** (2013.01 - EP US)

Citation (search report)

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