

Title (en)  
LPG FUEL COMPOSITIONS, ADDITIVES THEREFOR AND USES THEREOF

Title (de)  
LPG-BRENNSTOFFZUSAMMENSETZUNGEN, ADDITIVE DAFÜR UND DEREN VERWENDUNG

Title (fr)  
COMPOSITIONS DE CARBURANT LPG ADDITIFS CORRESPONDANTS ET LEURS UTILISATIONS

Publication  
**EP 4212607 A1 20230719 (EN)**

Application  
**EP 22151838 A 20220117**

Priority  
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Abstract (en)  
The present invention relates to a hydrocarbon fuel composition comprising liquefied petroleum gas and an additive selected from the compounds having the following formula (I) and mixtures thereof: 
$$\text{R-Ph-(OCH}_2\text{CH}_2\text{)}_n\text{-OH} \quad (\text{I})$$
 wherein Ph denotes a benzene ring, R represents a linear or branched saturated or unsaturated hydrocarbon chain comprising from 8 to 24 carbon atoms, which may be substituted or not substituted, and n represents a number ranging from 1 to 10. The invention further concerns an additive composition comprising compounds of formula (I) and phenolic antioxidant agent(s), as well as oxyfuel processes and methods of operating motor vehicles and gas burners involving such fuel compositions.

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Citation (applicant)  
• WO 2008072254 A2 20080619 - BHARAT PETROLEUM CORP LTD [IN], et al  
• WO 2020208646 A1 20201015 - HINDUSTAN PETROLEUM CORP LTD [IN]

Citation (search report)  
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• [X] CN 1523085 A 20040825 - JIHUA GROUP CO LTD [CN]  
• [I] CN 1431282 A 20030723 - XU LIANYUN [CN]

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