

Title (en)  
ADDITIVE FOR HYDROCARBON FUELS

Title (de)  
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Title (fr)  
ADDITIF POUR COMBUSTIBLES HYDROCARBONES

Publication  
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Application  
**EP 04748925 A 20040604**

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Abstract (en)  
The invention relates to petrochemistry, in particular to additive compositions for hydrocarbon fuels, mainly to automobile gasoline which are added in order to reduce fuel evaporation losses during storage and can be used for petroleum and fuel storage depots. The inventive additive comprises a butanol-and-polyether mixture which is based on ethylene and propylene oxides and whose molecular mass is equal to 402 conventional units and in which a fluorine-containing chloride of a quaternary ammonium salt of a formula  $C_8F_{17}CONCHC_3H_6N(C_2H_4OH)_2Cl$  is dissolved. Said additive is also comprises an N-perfluoronanyl-2-aminosulfonic acid sodium salt at the following component ratio: 6.0-12.0 mass % fluorine-containing chloride of a quaternary ammonium salt of the formula  $C_8F_{17}CONCHC_3H_6N(C_2H_4OH)_2Cl$ , 0.2-2.0 mass % N-perfluoronanyl-2-amino-sulfonic acid sodium salt, 30-55 mass % ethylene and propylene oxide-based polyether with the molecular mass of 402 conventional units and 35-60 mass % butanol. Said invention makes it possible to reduce the evaporation of hydrocarbon fuel components during the tank storage thereof and to reuse said additive by preventing additive precipitation on tank walls, in pipelines and filters of engine fuel systems.

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Cited by  
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