

Title (en)
ADDITIVE FOR HYDROCARBON FUELS

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

Publication
EP 1693433 A1 20060823 (EN)

Application
EP 04748925 A 20040604

Priority
• RU 2004000216 W 20040604
• RU 2003133691 A 20031120

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.

IPC 8 full level
C10L 1/24 (2006.01); **B01J 19/16** (2006.01); **B65D 90/42** (2006.01); **C10L 1/14** (2006.01); **C10L 1/182** (2006.01); **C10L 1/185** (2006.01); **C10L 1/198** (2006.01); **C10L 1/224** (2006.01)

CPC (source: EP)
C10L 1/143 (2013.01); **C10L 1/1824** (2013.01); **C10L 1/1985** (2013.01); **C10L 1/224** (2013.01); **C10L 1/2437** (2013.01)

Cited by
EP3356027A4; CN104388129A; RU2630674C1; WO2009033331A1; US10414993B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1693433 A1 20060823; **EP 1693433 A4 20110406**; RU 2246529 C1 20050220; WO 2005049770 A1 20050602

DOCDB simple family (application)
EP 04748925 A 20040604; RU 2003133691 A 20031120; RU 2004000216 W 20040604