

Title (en)

A method of inhibiting deposit formation in a jet fuel at high temperature

Title (de)

Verfahren zur Verhinderung von Ablagerungen in Turbinenbrennstoffen bei Hochtemperatur

Title (fr)

Méthode pour inhiber la formation de dépôt dans les carburants pour réacteurs à température élevée

Publication

EP 1533359 A1 20050525 (EN)

Application

EP 04255453 A 20040908

Priority

- EP 04255453 A 20040908
- EP 03257180 A 20031113

Abstract (en)

A method of inhibiting deposit formation in a jet fuel at temperatures above 150 DEG C, whilst not substantially adversely affecting the water separability of the jet fuel. The method includes the step of adding at least one copolymer, terpolymer or polymer of an ester of acrylic acid or methacrylic acid or a derivative thereof to the jet fuel; wherein the copolymer, terpolymer or polymer of an ester of acrylic acid or methacrylic acid or derivative thereof is copolymerized with a nitrogen-containing, amine-containing or amide-containing monomer; or the copolymer, terpolymer or polymer of an ester of acrylic acid or methacrylic acid or derivative thereof includes nitrogen-containing, amine-containing or amide-containing branches.

IPC 1-7

C10L 10/00; C10L 1/22; C10L 1/18

IPC 8 full level

C10L 1/196 (2006.01); **C10L 1/236** (2006.01); **C10L 10/00** (2006.01); C10L 1/18 (2006.01); C10L 1/22 (2006.01)

CPC (source: EP)

C10L 1/1963 (2013.01); **C10L 1/236** (2013.01); **C10L 10/04** (2013.01); C10L 1/1832 (2013.01); C10L 1/223 (2013.01); **C10L 1/2283** (2013.01); C10L 1/2364 (2013.01); C10L 1/2366 (2013.01)

Citation (search report)

- [DX] US 3062744 A 19621106 - THOMPSON RALPH B
- [X] US 3666656 A 19720530 - STANLEY MAURICE E
- [DX] US 2805925 A 19570910 - BEDFORD BISWELL CHARLES
- [DX] GB 802588 A 19581008 - CALIFORNIA RESEARCH CORP
- [X] GB 1053529 A

Citation (examination)

EP 1357169 A2 20031029 - INFINEUM INT LTD [GB]

Cited by

FR3072095A1; FR3054225A1; CN109689708A; US8017020B2; WO2009108310A1; WO2019068845A1; US10767128B2; US9957342B2; WO2014067748A1; WO2018015666A1; WO2014067749A1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1533359 A1 20050525

DOCDB simple family (application)

EP 04255453 A 20040908