

Title (en)

USE OF HOMOPOLYMERS OF ETHYLENICALLY UNSATURATED ESTERS FOR IMPROVING THE ACTION OF COLD FLOW IMPROVERS

Title (de)

VERWENDUNG VON HOMOPOLYMEREN ETHYLENISCH UNGESÄTTIGTER ESTER ZUR VERBESSERUNG DER WIRKUNG VON KALTFLEISSVERBESSERERN

Title (fr)

UTILISATION D'HOMOPOLYMERES D'ESTERS ETHYLENIQUEMENT INSATURES POUR AMELIORER L'ACTION D'AMELIORANTS DE FLUAGE A FROID

Publication

EP 1565542 A1 20050824 (DE)

Application

EP 03767607 A 20031121

Priority

- DE 10254640 A 20021122
- EP 0313107 W 20031121

Abstract (en)

[origin: WO2004048502A1] The invention relates to the use of homopolymers of ethylenically unsaturated esters for improving the action of cold flow improvers for fuel oil compositions. The invention also relates to the use of an additive, which contains both a polymer of the aforementioned type as well as a conventional cold flow improver and which serves to reduce the CFPP value and to optionally reduce the CFPP2 value and/or the aspiration value of a fuel oil composition.

IPC 1-7

C10L 1/14; C10L 1/18

IPC 8 full level

C10L 1/14 (2006.01); **C10L 1/195** (2006.01); **C10L 1/197** (2006.01); **C10L 1/18** (2006.01); **C10L 1/22** (2006.01); **C10L 1/24** (2006.01)

CPC (source: EP KR)

C10L 1/143 (2013.01 - EP KR); **C10L 1/195** (2013.01 - EP KR); **C10L 1/1963** (2013.01 - KR); **C10L 1/1966** (2013.01 - KR);
C10L 1/1973 (2013.01 - EP KR); **C10L 1/236** (2013.01 - KR); **C10L 1/2468** (2013.01 - KR); **C10L 10/14** (2013.01 - KR);
C10L 1/1963 (2013.01 - EP); **C10L 1/1966** (2013.01 - EP); **C10L 1/236** (2013.01 - EP); **C10L 1/2468** (2013.01 - EP)

Citation (search report)

See references of WO 2004048502A1

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 RO SE SI SK TR

DOCDB simple family (publication)

WO 2004048502 A1 20040610; AU 2003292077 A1 20040618; CN 100345947 C 20071031; CN 1714139 A 20051228;
DE 10254640 A1 20040603; EP 1565542 A1 20050824; KR 20050085069 A 20050829

DOCDB simple family (application)

EP 0313107 W 20031121; AU 2003292077 A 20031121; CN 200380103834 A 20031121; DE 10254640 A 20021122; EP 03767607 A 20031121;
KR 20057009116 A 20050520