

Title (en)  
Fuel additive

Title (de)  
Brennstoffzusatzmittel

Title (fr)  
Additif pour combustible

Publication  
**EP 1314771 A2 20030528 (EN)**

Application  
**EP 02257660 A 20021105**

Priority  
• EP 02257660 A 20021105  
• EP 01310326 A 20011211  
• GB 0127915 A 20011121

Abstract (en)  
A fuel additive comprising a) at least one wax having a refractive index of greater than 1.4550 at 70 DEG C and a melting point of less than 40 DEG C; and at least one of the following: b) at least one growth arrestor; c) at least one polar nitrogen compound; d) at least one nucleator; e) at least one comb polymer; and f) at least one alkyl phenol formaldehyde condensate. The fuel additive is effective at reducing low temperature operability of fuel oils having a cloud point of less than or equal to -15 DEG C, preferably less than or equal to -20 DEG C, and even more preferably less than or equal to -25 DEG C.

IPC 1-7  
**C10L 1/14**

IPC 8 full level  
**C10G 2/00** (2006.01); **C10L 1/14** (2006.01); **C10L 1/16** (2006.01); **C10L 1/18** (2006.01); **C10L 1/22** (2006.01)

CPC (source: EP)  
**C10G 2/33** (2013.01); **C10G 2/331** (2013.01); **C10L 1/143** (2013.01); **C10L 1/1616** (2013.01); **C10L 1/1641** (2013.01); **C10L 1/1658** (2013.01); **C10L 1/1691** (2013.01); **C10L 1/1963** (2013.01); **C10L 1/1973** (2013.01); **C10L 1/1981** (2013.01); **C10L 1/1985** (2013.01); **C10L 1/222** (2013.01); **C10L 1/224** (2013.01); **C10L 1/238** (2013.01); **C10L 1/2383** (2013.01)

Cited by  
DE10349851B4; KR101139277B1; DE10357880B4; KR101139276B1; EP1690896A1; EP2078743A1; EP1640438A1; US8690969B2; WO2009087202A3; US8273137B2

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

DOCDB simple family (publication)  
**EP 1314771 A2 20030528; EP 1314771 A3 20041027**

DOCDB simple family (application)  
**EP 02257660 A 20021105**