

Title (en)

Middle distillate fuel flow improver composition.

Title (de)

Fliessverbesserungsgemisch für Mitteldestillatkraftstoffe.

Title (fr)

Composition pour l'écoulement des combustibles à base de distillats moyens.

Publication

EP 0203812 A1 19861203 (EN)

Application

EP 86304034 A 19860528

Priority

US 73792585 A 19850528

Abstract (en)

An additive composition for improving the low temperature flow properties of a wax-containing petroleum distillate fuel comprises: A. an amide and/or amine salt of a carboxylic acid and/or anhydride; B. an ethylene polymer and/or copolymer; C. a condensation product of a halogenated paraffin or an olefin with an aromatic compound; D. an alkylated diphenyl ether. Examples of each component are (A) tetraalkyl ammonium phthalamate, (B) ethylene vinyl acetate, (C) a wax-naphthalene condensate, and (D) diphenyl ether alkylated with a dimer of a C24 alpha olefin. Preferred treat rates are from 0.01 to 0.15 wt % of (A); 0.005 to 0.5 wt % of each of (B) and (D); and 0.002 to 0.1 wt % of (C), each based on the fuel, which is preferably one having a boiling range within the limits 120 DEG C and 450 DEG C.

IPC 1-7

C10L 1/14

IPC 8 full level

C10L 1/14 (2006.01); **C10L 1/16** (2006.01); **C10L 1/18** (2006.01); **C10L 1/20** (2006.01); **C10L 1/22** (2006.01)

CPC (source: EP)

C10L 1/143 (2013.01); **C10L 1/1641** (2013.01); **C10L 1/1691** (2013.01); **C10L 1/1852** (2013.01); **C10L 1/1963** (2013.01); **C10L 1/1966** (2013.01); **C10L 1/1973** (2013.01); **C10L 1/207** (2013.01); **C10L 1/2222** (2013.01); **C10L 1/224** (2013.01)

Citation (search report)

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