

Title (en)

Petroleum middle distillate with improved cold flow characteristics.

Title (de)

Erdölmitteldestillate mit verbesserten Fließeigenschaften in der Kälte.

Title (fr)

Distillat moyen de pétrole à propriétés d'écoulement au froid améliorées.

Publication

**EP 0485774 B1 19940216 (DE)**

Application

**EP 91118117 A 19911024**

Priority

DE 4036226 A 19901114

Abstract (en)

[origin: EP0485774A1] Petroleum middle distillates having improved cold-flow properties contain small quantities of A) conventional ethylene-base flow improvers and B) copolymers which consist a) of 10 to 90 mol% of one or more alkyl acrylates or alkyl methacrylates having C1- to C30-alkyl chains and b) of 5 to 60 mol% of one or more ethylenically unsaturated dicarboxylic acids or anhydrides thereof and c) of 5 to 60 mol% of one or more alkyl vinyl ethers having C18- to C28-alkyl side chains, the A/B weight ratio being 40 : 60 to 95 : 5. c

IPC 1-7

**C10L 1/18**; **C10L 1/14**; **C10L 1/22**

IPC 8 full level

**C10L 1/14** (2006.01); **C10L 1/18** (2006.01); **C10L 1/195** (2006.01); **C10L 1/196** (2006.01); **C10L 1/197** (2006.01); **C10L 1/22** (2006.01); **C10L 1/236** (2006.01)

CPC (source: EP)

**C10L 1/146** (2013.01); **C10L 1/195** (2013.01); **C10L 1/196** (2013.01); **C10L 1/1973** (2013.01); **C10L 1/2364** (2013.01)

Cited by

EP1541663A1; KR100599016B1; EP1526168A3; DE10349858B4; EP1605031A3; EP1674554A1; KR100778557B1; EA009104B1; EP0673990A1; US5585337A; DE10349862B4; EP0900836A1; US6010989A; EP1526168A2; US7988748B2; WO2005040234A1

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DOCDB simple family (publication)

**EP 0485774 A1 19920520**; **EP 0485774 B1 19940216**; AT E101640 T1 19940315; CA 2055417 A1 19920515; DE 4036226 A1 19920521; DE 59101025 D1 19940324; ES 2049072 T3 19940401; FI 915127 A0 19911030; FI 915127 A 19920515; NO 914444 D0 19911113; NO 914444 L 19920515

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