

Title (en)

Olefins, unsaturated carboxylic esters and vinyl aromatics based terpolymers as additives for fuel oils and lubricants.

Title (de)

Terpolymere auf Basis von Olefinen, ungesättigten Carbonsäureestern und Vinylaromaten als Additive für Brennstofföle und Schmierstoffe

Title (fr)

Terpolymères à base d'oléfines, esters carboxyliques insaturés et composés vinylaromatiques, comme additifs pour huiles combustibles et lubrifiants.

Publication

EP 1705196 A1 20060927 (DE)

Application

EP 05006153 A 20050321

Priority

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Abstract (en)

Copolymer (A) obtained by polymerizing olefin monomers (M), is new. Copolymer (A) obtained by polymerizing olefin monomers (M) of formulae $R1>-CH=CH2$ (M1); $(R2>)(R3>)C=C(R4>)(R5>)$ (M2); and $(R7>)(R6>)C=C(R8>)(R9>)$ (M3), is new. $R1>$ H or 1-40C hydrocarbyl; $R2>-R5>$ H, 1-40C-hydrocarbyl, $-COOR10>$ or $-OCOR10>$ (where at least one of $R2>-R5$ is $COOR10>$ or $OCOR10>$); $R6>-R8>$ H or 1-4C-alkyl; $R9>$ aryl; and $R10>$ 1-40C hydrocarbyl. Independent claims are included for: (1) a fuel oil composition comprising a larger amount of a distillate fuel with a boiling point of 120-500[deg]C and smaller amount of at least a copolymer; (2) a lubricant composition comprising a larger amount of a conventional lubricant and smaller amount of at least a copolymer; and (3) an additive package comprising at least a copolymer in combination with at least a conventional grease additive or a fuel oil additive.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 4362533 A 19821207 - KIDD NASH A
- [X] BE 876211 A 19791112 - STANDARD OIL CO
- [X] US 3803034 A 19740409 - DASCH A

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