

Title (en)

Conductivity improving additive for fuel oil compositions

Title (de)

Leitfähigkeitsverbesserndes Additiv für Brennstoffölszusammensetzungen

Title (fr)

Additif pour améliorer la conductivité des compositions d'huiles combustibles

Publication

EP 1568756 A1 20050831 (EN)

Application

EP 05251006 A 20050222

Priority

- EP 05251006 A 20050222
- EP 04251003 A 20040224

Abstract (en)

A fuel oil containing a conductivity improving additive comprising the combination of: (a) an oil soluble succinimide dispersant comprising a functionalized hydrocarbon reacted with an alkylene polyamine and (b) a conductivity improver comprising (i) an olefin polysulfone and (ii) a polymeric polyamine reaction product of epichlorohydrin and an aliphatic primary monoamine or an N-aliphatic hydrocarbyl alkylene diamine, or the sulfonic acid salt of the polymeric polyamine reaction product or (c) the combination of an oil soluble succinimide dispersant comprising a functionalized hydrocarbon reacted with a heavy polyamine and (d) a conductivity improver comprising a hydrocarbon soluble copolymer of an alkylvinyl monomer and a cationic vinyl monomer, wherein the copolymer has an alkylvinyl monomer unit to cationic vinyl monomer unit ratio of from about 1:1 to about 10:1, the copolymer having an average molecular weight of from about 800 to about 1,000,000.

IPC 1-7

C10L 1/14

IPC 8 full level

C10L 1/14 (2006.01); **C10L 1/22** (2006.01); **C10L 1/24** (2006.01)

CPC (source: EP)

C10L 1/146 (2013.01); **C10L 1/238** (2013.01); **C10L 1/2383** (2013.01); **C10L 1/2475** (2013.01)

Citation (search report)

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