

Title (en)  
ADDITIVES AND THEIR USE FOR IMPROVING THE ELECTRICAL CONDUCTIVITY AND COLD FLOWABILITY OF MINERAL OIL DISTILLATES

Title (de)  
ADDITIVE UND DEREN VERWENDUNG ZUR VERBESSERUNG DER ELEKTRISCHEN LEITFÄHIGKEIT UND KÄLTEFLIESSFÄHIGKEIT VON MINERALÖLDESTILLATEN

Title (fr)  
ADDITIFS ET LEUR UTILISATION POUR AMÉLIORER LA CONDUCTIVITÉ ÉLECTRIQUE ET L'ÉCOULEMENT À FROID DE DISTILLATS D'HUILE MINÉRALE

Publication  
**EP 1749873 A2 20070207 (DE)**

Application  
**EP 06013802 A 20060704**

Priority  
DE 102005035277 A 20050728

Abstract (en)  
A mineral oil distillate having a water content of less than 150 ppm and a conductivity of at least 50 pS/m, comprises 0.1-200 ppm at least one alkylphenolaldehyde resin and 0.1-200 ppm at least one nitrogen-containing polymer. Independent claims are also included for the following: (1) improving the electrical conductivity of mineral oil distillates having a water content of less than 150 ppm and comprising 0.1-200 ppm nitrogen-containing polymer(s), by adding to the mineral oil distillates compositions comprising 0.1-200 ppm alkylphenol-aldehyde resin(s) and, based on the alkylphenol-aldehyde resin, 0.1-10 pbw nitrogen-containing polymer(s) so that the mineral oil distillates have a conductivity of at least 50 pS/m; and (2) an additive for mineral oil distillates comprising alkylphenol-aldehyde resin(s) and nitrogen-containing polymer (s) from a comb polymer containing units derived from esters of ethylenically unsaturated carboxylic acids, vinyl esters, and/or vinyl ethers, and nitrogen-containing comonomer(s); a copolymer of ethylene with an ethylenically unsaturated nitrogen-containing comonomer; and a polymeric polyamine, prepared by condensation of an aliphatic primary monoamine or of an N-alkylalkylene-diamine with epichlorohydrin or glycidol.

Abstract (de)  
Gegenstand der Erfindung sind Mineralöldestillate mit einem Wassergehalt von weniger als 150 ppm und einer Leitfähigkeit von mindestens 50 pS/m, die 0,1 bis 200 ppm mindestens eines Alkylphenol-Aldehydharzes und 0,1 bis 200 ppm mindestens einer stickstoffhaltigen Polymers enthalten.

IPC 8 full level  
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CPC (source: EP KR US)  
**C10L 1/146** (2013.01 - EP KR US); **C10L 1/1981** (2013.01 - KR); **C10L 1/2364** (2013.01 - KR); **C10L 1/2366** (2013.01 - KR); **C10L 1/2383** (2013.01 - KR); **C10L 10/14** (2013.01 - EP KR US); **C10M 101/00** (2013.01 - KR); **C10L 1/1981** (2013.01 - EP US); **C10L 1/236** (2013.01 - EP US); **C10L 1/2364** (2013.01 - EP US); **C10L 1/2366** (2013.01 - EP US); **C10L 1/2383** (2013.01 - EP US); **C10L 2230/20** (2013.01 - KR)

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