

Title (en)

HIGH MOLECULAR WEIGHT IMIDE CONTAINING QUATERNARY AMMONIUM SALTS

Title (de)

HOCHMOLEKULARES IMID MIT QUATERNÄREN AMMONIUMSALZEN

Title (fr)

IMIDE DE MASSE MOLÉCULAIRE ÉLEVÉE CONTENANT DES SELS D'AMMONIUM QUATERNAIRE

Publication

EP 3149127 A1 20170405 (EN)

Application

EP 15729655 A 20150529

Priority

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- US 2015033157 W 20150529

Abstract (en)

[origin: WO2015184247A1] The present technology is related to imide containing quaternary ammonium salts having a hydrocarbyl substituent of number average molecular weight of 1300 to 3000, and the use of such quaternary ammonium salts in fuel compositions or lubricating compositions to improve the water shedding performance of the fuel or lubricant composition.

IPC 8 full level

C10M 133/46 (2006.01); **C10L 1/188** (2006.01); **C10L 1/222** (2006.01); **C10L 1/224** (2006.01); **C10L 1/232** (2006.01); **C10L 1/2383** (2006.01); **C10L 10/18** (2006.01); **C10M 133/56** (2006.01); **C10M 133/58** (2006.01); **C10N 20/04** (2006.01); **C10N 40/25** (2006.01); **C10N 70/00** (2006.01)

CPC (source: CN EP US)

C10L 1/232 (2013.01 - US); **C10L 1/2383** (2013.01 - CN EP US); **C10L 10/04** (2013.01 - CN EP US); **C10L 10/18** (2013.01 - CN EP US); **C10M 133/44** (2013.01 - US); **C10M 133/56** (2013.01 - CN EP US); **C10L 1/1883** (2013.01 - EP US); **C10L 2200/0259** (2013.01 - US); **C10L 2200/0423** (2013.01 - CN EP US); **C10L 2200/0446** (2013.01 - CN EP US); **C10L 2270/023** (2013.01 - US); **C10L 2270/026** (2013.01 - US); **C10M 2207/127** (2013.01 - CN EP US); **C10M 2215/02** (2013.01 - CN EP US); **C10M 2215/04** (2013.01 - CN EP US); **C10M 2215/042** (2013.01 - CN EP US); **C10M 2215/223** (2013.01 - US); **C10M 2215/28** (2013.01 - CN EP US); **C10M 2217/043** (2013.01 - CN EP US); **C10N 2020/04** (2013.01 - CN EP US); **C10N 2030/04** (2013.01 - US); **C10N 2040/25** (2013.01 - CN EP US); **C10N 2040/252** (2020.05 - CN EP US); **C10N 2040/253** (2020.05 - CN EP US); **C10N 2040/255** (2020.05 - CN EP US); **C10N 2040/26** (2013.01 - CN EP US); **C10N 2070/00** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2015184247A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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