

Title (en)

Lubricity additives stabilised against oxidation for highly desulphurised fuel oils.

Title (de)

Oxidationsstabilisierte Schmieradditive für hochentschwefelte Brennstofföle

Title (fr)

Additifs lubrifiant stabilisés contre l'oxydation pour huiles combustibles hautement désulfurées.

Publication

EP 1380634 B1 20070815 (DE)

Application

EP 03013093 A 20030611

Priority

- DE 10252973 A 20021114
- DE 10230771 A 20020709

Abstract (en)

[origin: EP1380634A1] Additive for improving the lubricity of fuel oils having a sulfur content of no more than 0.035 wt.% comprises: (a) a partial ester of a di- or polyhydric alcohol with fatty acids containing 8-30 carbon atoms, at least 60 % of the fatty acids having at least one double bond; and (b) a resin produced by condensing an aldehyde or ketone with an alkylphenol having at least one alkyl or alkenyl group of 6-24 carbon atoms to give a product comprising 2-50 alkylphenol units. An Independent claim is also included for fuel oils having a sulfur content of no more than 0.035 wt.% containing 0.001-0.5 wt.% of the additive.

IPC 8 full level

C10L 1/14 (2006.01); **C10L 1/18** (2006.01); **C10L 1/16** (2006.01); **C10L 1/19** (2006.01); **C10L 1/192** (2006.01); **C10L 1/198** (2006.01); **C10L 1/224** (2006.01); **C10L 10/04** (2006.01); **C10L 10/08** (2006.01); **C10M 169/04** (2006.01); **C10L 1/22** (2006.01)

CPC (source: EP US)

C10L 1/143 (2013.01 - EP US); **C10L 10/08** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 169/044** (2013.01 - EP US); **C10L 1/1835** (2013.01 - EP US); **C10L 1/19** (2013.01 - EP US); **C10L 1/1905** (2013.01 - EP US); **C10L 1/191** (2013.01 - EP US); **C10L 1/1966** (2013.01 - EP US); **C10L 1/1973** (2013.01 - EP US); **C10L 1/1981** (2013.01 - EP US); **C10L 1/221** (2013.01 - EP US); **C10L 1/224** (2013.01 - EP US); **C10L 1/2364** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2209/101** (2013.01 - EP US); **C10N 2020/013** (2020.05 - EP US); **C10N 2020/067** (2020.05 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/43** (2020.05 - EP US)

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