

Title (en)

Detergent-dispersant composition for lubricating or fuel oils.

Title (de)

Detergent-Dispersant-Zusammensetzung für Schmier- und Heizöle.

Title (fr)

Composition détergente et dispersante pour huiles lubrifiantes et combustibles.

Publication

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Application

EP 81103229 A 19810429

Priority

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Abstract (en)

This invention relates to a detergent-dispersant composition for lubricating or fuel oils, The composition consists essentially of (a) an amount effective as a detergent-dispersant of a hydrotalcite having a specific surface area, determined by the BET method, of up to about 60 m²/g and an average secondary particle size of up to about 5 microns, the hydrotalcite particles being untreated or surface-treated with an anionic surface-active agent, and the hydrotalcite being represented by the following formula $Mg_xAl_2(OH)_{6+2x-2y}(CO_3)_y \cdot mH_2O$ wherein x is a positive number represented by $3 < x < 20$, y is a positive number represented by $0 < y < 2$, and m is a positive number of up to 7, and (b) a hydrophobic dispersant or diluent.

IPC 1-7

C10M 1/10; **C10L 1/12**

IPC 8 full level

C10L 1/12 (2006.01); **C10M 125/10** (2006.01)

CPC (source: EP)

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Citation (search report)

- DE 1770691 B1 19711021 - CANADIAN PATENTS DEV
- GB 1180533 A 19700204 - CANADIAN PATENTS DEV [US]
- US 4256465 A 19810317 - TAKEZONO TETSUYA, et al
- NL 6808768 A 19681224
- US 4182913 A 19800108 - FUJIWARA YASUO [JP], et al
- DE 2752111 A1 19780524 - NIPPON OIL CO LTD
- FR 2371408 A1 19780616 - NIPPON OIL CO LTD [JP]
- FR 1571821 A 19690620
- US 4229309 A 19801021 - CHENG WILLIAM J, et al
- US 3713792 A 19730130 - WILEY D
- US 4123231 A 19781031 - GUTHRIE DAVID B, et al

Cited by

DE102012014473A1; EP0431867A3; TR25166A; EP0345587A1; US5145599A; EP0396983A1; AU631427B2; TR24430A; US10112132B2; US8772208B2; WO2014012640A3; WO2014012640A2; WO9403574A1; WO9013608A1; WO9209529A1; WO2012127517A1; WO9504024A1; WO8912088A1

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