

Title (en)

ADDITIVES FOR LUBRICATING OILS AND FUEL OILS, LUBRICATING OIL COMPOSITIONS, AND FUEL OIL COMPOSITIONS

Title (de)

ADDITIVE FÜR SCHMIERÖLE UND BRENNÖLE, SCHMIERÖLZUSAMMENSETZUNGEN UND BRENNÖLZUSAMMENSETZUNGEN

Title (fr)

ADDITIFS POUR HUILES LUBRIFIANTES ET HUILES COMBUSTIBLES, COMPOSITIONS D'HUILE LUBRIFIANTE, ET COMPOSITIONS D'HUILE COMBUSTIBLE

Publication

EP 1602709 A4 20090401 (EN)

Application

EP 04708013 A 20040204

Priority

- JP 2004001093 W 20040204
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Abstract (en)

[origin: EP1602709A1] Additives for lubricating oils and for fuel oils which comprise as the main component a disulfide represented by the following general formula (I) or (IV): $R<1>OOC-A<1>-Sx-A<2>-COOR<2>$ ($R<1>$ and $R<2>$ each independently represent a hydrocarbyl group which has 1 to 30 carbon atoms and may have oxygen atom, sulfur atom or nitrogen atom, $A<1>$ and $A<2>$ each independently represent a group represented by $CR<3>R<4>$, $R<3>$ and $R<4>$ each independently representing hydrogen atom or a hydrocarbyl group having 1 to 20 carbon atoms, and x represents 2.) $R<1>OOC-A<3>-Sx-A<4>-COOR<2>$ ($R<1>$ and $R<2>$ are as defined above, $A<3>$ and $A<4>$ each independently represent a group represented by $CR<5>R<6>-CR<7>R<8>$, $R<5>$ to $R<8>$ each independently representing hydrogen atom or a hydrocarbyl group having 1 to 20 carbon atoms, and x represents 2.) The additives exhibit excellent functions as the extreme pressure additive and the antiwear agent and the suppressed corrosive property to nonferrous metals and are advantageously used as the sulfur-based extreme pressure additives for lubricating oils and fuel oils.

IPC 1-7

C10M 135/26; **C10M 177/00**; **C10L 1/24**; **C10N 30/06**; **C10N 30/12**; **C10N 70/00**

IPC 8 full level

C10L 1/24 (2006.01); **C10L 10/04** (2006.01); **C10M 135/26** (2006.01)

CPC (source: EP KR US)

C10L 1/24 (2013.01 - KR); **C10L 1/2418** (2013.01 - EP US); **C10L 10/04** (2013.01 - EP US); **C10L 10/08** (2013.01 - EP US); **C10M 135/26** (2013.01 - EP KR US); **C10M 177/00** (2013.01 - KR); **C10M 2219/085** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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