

Title (en)
LUBRICITY IMPROVER FOR DIESEL OIL

Title (de)
SCHMIERFÄHIGKEITSVERBESSERER FÜR DIESELÖL

Title (fr)
CORRECTEUR DE POUVOIR LUBRIFIANT POUR GAZOLES

Publication
EP 1421159 A1 20040526 (DE)

Application
EP 02767423 A 20020823

Priority
• DE 10143021 A 20010901
• EP 0209439 W 20020823

Abstract (en)
[origin: WO03020851A1] The invention relates to the use of fatty acid alkylene glycol esters, which are liquid at 21 DEG C, of general formula (I): R-COO-(AO)_n-H, in which: R represents an alkyl radical or alkenyl radical with 5 to 19 carbon atoms; A represents groups CH₂-CH₂ or C₃H₆, and; n represents a number ranging from 0.5 to 6. These fatty acid alkylene glycol esters are used as an additive for improving the lubricity of diesel oil, particularly of low-sulfur diesel oil.

IPC 1-7
C10L 1/18; **C10L 10/04**

IPC 8 full level
C10L 1/19 (2006.01); **C10L 1/198** (2006.01); **C10L 10/04** (2006.01)

CPC (source: EP US)
C10L 1/1905 (2013.01 - EP US); **C10L 1/1985** (2013.01 - EP US); **C10L 10/08** (2013.01 - EP US)

Citation (search report)
See references of WO 03020851A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03020851 A1 20030313; DE 10143021 A1 20030320; EP 1421159 A1 20040526; US 2004237385 A1 20041202

DOCDB simple family (application)
EP 0209439 W 20020823; DE 10143021 A 20010901; EP 02767423 A 20020823; US 48830304 A 20040301