(12)

## (11) **EP 1 795 582 A8**

## CORRECTED EUROPEAN PATENT APPLICATION

(15) Correction information:

Corrected version no 1 (W1 A2)

Abstract

(48) Corrigendum issued on:

20.08.2008 Bulletin 2008/34

(43) Date of publication:

13.06.2007 Bulletin 2007/24

(21) Application number: 06256270.7

(22) Date of filing: 08.12.2006

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI

SK TR

**Designated Extension States:** 

AL BA HR MK RS

(30) Priority: 09.12.2005 US 298006

(71) Applicant: Afton Chemical Corporation Richmond, VA 23219 (US)

(72) Inventors:

Lam, William Y.
 Glen Allen
 Virginia 23059 (US)

(51) Int Cl.:

C10M 163/00 (2006.01)

C10M 169/04 (2006.01)

- Guinther, Gregory H. Richmond Virginia 23233 (US)
   Esche, Carl K. Jr.
- Escne, Carl K. Jr.
  Richmond
  Virginia 23238 (US)
- (74) Representative: Chung, Hsu Min Boult Wade Tennant Verulam Gardens 70 Gray's Inn Road London WC1X 8BT (GB)

(54) Titanium-containing lubricating oil composition

(57) A lubricating oil composition comprising a) an oil of lubricating viscosity having a viscosity index of at least about 95; b) at least one calcium detergent; c) at least one oil soluble titanium compound; d) at least one friction modifier; and e) at least one metal dihydrocarbyl dithiophosphate compound. The composition is substantially free of molybdenum and has a Noack volatility of

about 15 wt. % or less, and contains from about 0.05 to about 0.6 wt. % calcium from the calcium detergent, titanium metal in an amount of at least about 10 ppm up to about 1500 ppm titanium from the titanium compound, and phosphorus from the metal dihydrocarbyl dithiophosphate compound in an amount up to about 0.1 wt. %.

EP 1 795 582 A8