

Title (en)

MICROBIAL CONTROL IN HYDROCARBONACEOUS COMPOSITIONS

Title (de)

MIKROBENKONTROLLE BEI KOHLENWASSERSTOFFHALTIGEN ZUSAMMENSETZUNGEN

Title (fr)

CONTRÔLE MICROBIEN DANS DES COMPOSITIONS HYDROCARBONÉES

Publication

**EP 2244570 A2 20101103 (EN)**

Application

**EP 08868059 A 20081204**

Priority

- US 2008085485 W 20081204
- US 1523107 P 20071220

Abstract (en)

[origin: WO2009085552A2] Provided are additives of formula I for use in hydrocarbonaceous compositions, such as petroleum or liquid fuels: (I) wherein R1, R2, R3, R4, and R5 are as defined herein. The additives improve the corrosion resistance of the compositions and, when the composition is biodiesel, also improve microbial resistance. The additives further enhance the antimicrobial efficacy of any added biocides contained in such compositions.

IPC 8 full level

**A01N 33/08** (2006.01); **C10L 1/14** (2006.01); **C10L 1/222** (2006.01); **C10L 10/04** (2006.01)

CPC (source: EP US)

**A01N 33/08** (2013.01 - EP US); **C10L 1/14** (2013.01 - EP US); **C10L 1/2225** (2013.01 - EP US); **C10L 10/04** (2013.01 - EP US); **C10L 1/1824** (2013.01 - EP US); **C10L 1/1832** (2013.01 - EP US); **C10L 1/1855** (2013.01 - EP US); **C10L 1/1857** (2013.01 - EP US); **C10L 1/19** (2013.01 - EP US); **C10L 1/2222** (2013.01 - EP US); **C10L 1/2227** (2013.01 - EP US); **C10L 1/224** (2013.01 - EP US); **C10L 1/226** (2013.01 - EP US); **C10L 1/231** (2013.01 - EP US); **C10L 1/232** (2013.01 - EP US); **C10L 1/233** (2013.01 - EP US); **C10L 1/2335** (2013.01 - EP US); **C10L 1/2406** (2013.01 - EP US); **C10L 1/2431** (2013.01 - EP US); **C10L 1/2456** (2013.01 - EP US); **C10L 1/2608** (2013.01 - EP US); **C10L 1/303** (2013.01 - EP US)

Citation (search report)

See references of WO 2009085552A2

Citation (examination)

WO 2008088632 A2 20080724 - ANGUS CHEMICAL [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2009085552 A2 20090709**; **WO 2009085552 A3 20090903**; BR PI0819468 A2 20150310; CN 101917847 A 20101215; EP 2244570 A2 20101103; JP 2011508011 A 20110310; US 2010242341 A1 20100930; US 2012311922 A1 20121213

DOCDB simple family (application)

**US 2008085485 W 20081204**; BR PI0819468 A 20081204; CN 200880121740 A 20081204; EP 08868059 A 20081204; JP 2010539606 A 20081204; US 201213569448 A 20120808; US 74461508 A 20081204