

Title (en)  
USE OF DETERGENT ADDITIVES FOR REDUCING A PARTICLE AMOUNT IN THE EXHAUST GAS OF DIRECT INJECTION DIESEL ENGINES

Title (de)  
VERWENDUNG VON DETERGENS-ADDITIVEN ZUR VERRINGERUNG DER PARTIKELMENGE IN ABGASEMISSIONEN VON DIREKTEINSPRITZENDEN DIESELMOTOREN

Title (fr)  
UTILISATION D'ADDITIFS DETERGENTS POUR REDUIRE LA QUANTITE DE PARTICULES DANS DES EMISSIONS DE GAZ D'ECHAPPEMENT DE MOTEURS DIESELS A INJECTION DIRECTE

Publication  
**EP 1866396 A1 20071219 (DE)**

Application  
**EP 06723673 A 20060323**

Priority  
• EP 2006002686 W 20060323  
• EP 05006599 A 20050324  
• EP 06723673 A 20060323

Abstract (en)  
[origin: EP1705234A1] Use of detergent additives (I) for decreasing or preventing the formation of deposits in the injection systems of direct injecting diesel engines.

IPC 8 full level  
**C10L 10/04** (2006.01); **C10L 1/14** (2006.01); **C10L 1/22** (2006.01); **C10L 1/224** (2006.01); **C10L 10/02** (2006.01)

CPC (source: EP KR US)  
**C10L 1/14** (2013.01 - EP KR US); **C10L 1/1616** (2013.01 - KR); **C10L 1/1641** (2013.01 - KR); **C10L 1/1905** (2013.01 - KR); **C10L 1/1966** (2013.01 - KR); **C10L 1/1983** (2013.01 - KR); **C10L 1/1985** (2013.01 - KR); **C10L 1/231** (2013.01 - KR); **C10L 1/2383** (2013.01 - EP KR US); **C10L 10/02** (2013.01 - EP KR US); **C10L 10/04** (2013.01 - EP KR US); **C10L 1/1616** (2013.01 - EP US); **C10L 1/1641** (2013.01 - EP US); **C10L 1/1905** (2013.01 - EP US); **C10L 1/1966** (2013.01 - EP US); **C10L 1/1983** (2013.01 - EP US); **C10L 1/1985** (2013.01 - EP US); **C10L 1/231** (2013.01 - EP US); **C10L 1/238** (2013.01 - EP US); **C10L 1/2437** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006100083A1

Designated contracting state (EPC)  
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

DOCDB simple family (publication)  
**EP 1705234 A1 20060927**; AR 054240 A1 20070613; AU 2006226517 A1 20060928; AU 2006226517 B2 20111201; BR PI0609694 A2 20111018; CA 2602275 A1 20060928; CN 101146897 A 20080319; EP 1866396 A1 20071219; JP 2008534699 A 20080828; KR 20070116149 A 20071206; MX 2007010950 A 20070921; NO 20074587 L 20071023; US 2008196586 A1 20080821; WO 2006100083 A1 20060928

DOCDB simple family (application)  
**EP 05006599 A 20050324**; AR P060101031 A 20060316; AU 2006226517 A 20060323; BR PI0609694 A 20060323; CA 2602275 A 20060323; CN 200680009451 A 20060323; EP 06723673 A 20060323; EP 2006002686 W 20060323; JP 2008502332 A 20060323; KR 20077024495 A 20071024; MX 2007010950 A 20060323; NO 20074587 A 20070911; US 90918306 A 20060323