

Title (en)
HETEROCYCLIC COMPOUNDS CONTAINING NITROGEN AS A FUEL ADDITIVE IN ORDER TO REDUCE ABRASION

Title (de)
STICKSTOFFHALTIGE HETEROCYCLISCHE VERBINDUNGEN ALS REIBVERSCHLEISSVERMINDERNDER ZUSATZ ZU KRAFTSTOFFEN

Title (fr)
COMPOSES HETEROCYCLIQUES CONTENANT DE L'AZOTE UTILISES COMME ADDITIF DANS DES CARBURANTS POUR REDUIRE L'USURE DE CONTACT

Publication
EP 1786888 A1 20070523 (DE)

Application
EP 05783500 A 20050804

Priority
• EP 2005008468 W 20050804
• DE 102004038113 A 20040805

Abstract (en)
[origin: WO2006015800A1] The invention relates to the use of at least one heterocyclic compound of formula (I), wherein R represents H, or C<sub>

IPC 8 full level
C10L 1/22 (2006.01)

CPC (source: EP KR US)
C10L 1/232 (2013.01 - EP KR US); **C10L 10/08** (2013.01 - EP KR US); **C10L 2200/04** (2013.01 - KR); **C10L 2270/02** (2013.01 - KR)

Citation (search report)
See references of WO 2006015800A1

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)
WO 2006015800 A1 20060216; AR 051366 A1 20070110; AR 082343 A2 20121128; AU 2005270349 A1 20060216; BR PI0514137 A 20080527; BR PI0514137 B1 20140916; CA 2575494 A1 20060216; CA 2575494 C 20130702; CN 1993450 A 20070704; CN 1993450 B 20111116; DE 102004038113 A1 20060316; EP 1786888 A1 20070523; JP 2008508412 A 20080321; JP 4940138 B2 20120530; KR 101218902 B1 20130107; KR 20070051293 A 20070517; MX 2007000840 A 20070417; MY 145663 A 20120315; SG 10201404612P A 20140926; SG 155185 A1 20090930; US 2008190014 A1 20080814; US 2010236136 A1 20100923; US 7850744 B2 20101214; US 8814957 B2 20140826; ZA 200701847 B 20080730

DOCDB simple family (application)
EP 2005008468 W 20050804; AR P050103240 A 20050804; AR P110102683 A 20110725; AU 2005270349 A 20050804; BR PI0514137 A 20050804; CA 2575494 A 20050804; CN 200580026589 A 20050804; DE 102004038113 A 20040805; EP 05783500 A 20050804; JP 2007524285 A 20050804; KR 20077004884 A 20050804; MX 2007000840 A 20050804; MY PI20053665 A 20050805; SG 10201404612P A 20050804; SG 2009051947 A 20050804; US 57306805 A 20050804; US 79289210 A 20100603; ZA 200701847 A 20070302