

Title (en)

HIGH-PRESSURE ADDITIVE PHOSPHORIC ACID ESTERS

Title (de)

PHOSPHORSÄUREESTER ALS HOCHDRUCK-ADDITIVE

Title (fr)

ESTERS D'ACIDE PHOSPHORIQUE S'UTILISANT COMME ADDITIFS HAUTE PRESSION

Publication

EP 0968260 A1 20000105 (DE)

Application

EP 98913630 A 19980304

Priority

- DE 19710160 A 19970312
- EP 9801196 W 19980304

Abstract (en)

[origin: DE19710160A1] The invention relates to the use of mixtures of one or several phosphoric acid esters of formula (I) with one or several amines of formula (II) as high-pressure additives in non-water miscible cooling lubricants, wherein the substituents have the meaning cited in the description.

IPC 1-7

C10M 137/08; C10M 169/04

IPC 8 full level

C10M 137/08 (2006.01); **C10N 30/06** (2006.01); **C10N 40/20** (2006.01)

CPC (source: EP US)

C10M 137/08 (2013.01 - EP US); **C10M 2223/043** (2013.01 - EP US); **C10N 2040/22** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

US 6103675 A 20000815; DE 19710160 A1 19980917; EP 0968260 A1 20000105; HU P0001588 A2 20000928; HU P0001588 A3 20050628; JP 2001514689 A 20010911; PL 187948 B1 20041130; PL 335615 A1 20000508; WO 9840451 A1 19980917

DOCDB simple family (application)

US 3856198 A 19980311; DE 19710160 A 19970312; EP 9801196 W 19980304; EP 98913630 A 19980304; HU P0001588 A 19980304; JP 53916098 A 19980304; PL 33561598 A 19980304