

Title (en)

Compound useful as detergent additive, compositions comprising a lubricating oil or hydrocarbon fuel, and method for maintaining the cleanliness of an internal combustion engine.

Title (de)

Als Waschmittelzusatz verwendbare Verbindung, ein Schmieröl oder einen Kohlenwasserstoffbrennstoff enthaltende Zusammensetzungen und Verfahren zum Reinhalten eines Brennkraftmotors.

Title (fr)

Composé utile comme additif pour détergent, compositions contenant une huile lubrifiante ou un combustible hydrocarboné, et méthode pour tenir propre un moteur à combustion interne.

Publication

EP 0016972 A1 19801015 (EN)

Application

EP 80101023 A 19800301

Priority

US 2224579 A 19790320

Abstract (en)

Alkyl acid and polyamine are reacted to produce amide that is a detergent lubricant and fuel additive that is particularly effective to keep two-cycle engines clean.

IPC 1-7

C10L 1/22; C07C 103/87

IPC 8 full level

C10L 1/22 (2006.01); **C10L 1/224** (2006.01); **C10L 10/08** (2006.01); **C10M 133/16** (2006.01); **C10M 133/56** (2006.01); **F02B 61/04** (2006.01); **C10N 30/04** (2006.01); **C10N 40/25** (2006.01); **F02B 75/02** (2006.01); **F02B 77/04** (2006.01)

CPC (source: EP)

C10L 1/224 (2013.01); **C10M 133/16** (2013.01); **F02B 61/045** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/26** (2013.01); **C10M 2217/046** (2013.01); **C10M 2217/06** (2013.01); **C10N 2040/26** (2013.01); **F02B 77/04** (2013.01); **F02B 2075/025** (2013.01)

Citation (search report)

US 3429674 A 19690225 - HOKE DONALD I

Cited by

EP0240255A3; GB2177719A; EP0180910A3

Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

EP 0016972 A1 19801015; AU 518067 B2 19810910; AU 5519080 A 19801009; BR 8001135 A 19801104; CA 1133012 A 19821005; ES 489558 A0 19810216; ES 8102724 A1 19810216; JP S55125200 A 19800926; NO 800790 L 19800922

DOCDB simple family (application)

EP 80101023 A 19800301; AU 5519080 A 19800204; BR 8001135 A 19800227; CA 343000 A 19800103; ES 489558 A 19800314; JP 2262880 A 19800225; NO 800790 A 19800319