

Title (en)

Borated hydroxyl-containing composition and lubricants containing same.

Title (de)

Borderivat von hydroxylgruppenhaltigen Zusammensetzungen und diese enthaltende Schmiermittel.

Title (fr)

Compositions contenant des hydroxyles borylés et lubrifiants les contenant.

Publication

**EP 0075478 A2 19830330 (EN)**

Application

**EP 82304950 A 19820921**

Priority

US 30448281 A 19810922

Abstract (en)

Multifunctional additives are provided for fuel and lubricant compositions. The additives are borated hydrocarbyl vicinal diols, made by reacting the diol with a boron-containing compound such as boric acid or trialkyl borate.

IPC 1-7

**C10M 1/08; C10L 1/30**

IPC 8 full level

**C10L 1/30** (2006.01); **C10L 10/08** (2006.01); **C10M 139/00** (2006.01); **C10N 30/06** (2006.01); **C10N 30/10** (2006.01); **C10N 30/12** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)

**C10L 1/303** (2013.01); **C10M 139/00** (2013.01); **C10M 2227/061** (2013.01); **C10M 2227/062** (2013.01); **C10N 2050/10** (2013.01)

Cited by

US4961868A; US4781850A; EP0176202A1; US4780227A; US5084194A; US4828734A; EP0204039A1; US4655948A; EP0220136A3; US4778612A; US8709986B2; WO2009042590A1

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DOCDB simple family (publication)

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**EP 82304950 A 19820921**; AT 82304950 T 19820921; AU 8801682 A 19820903; BR 8205535 A 19820921; CA 410016 A 19820824; DE 3276869 T 19820921; JP 16481782 A 19820921; NZ 20161382 A 19820817; ZA 825972 A 19820817