

Title (en)

Use of a molybdenum compound to reduce micropitting and a lubricating composition

Title (de)

Verwendung von Molybdänverbindung zur Reduzierung von Mikropitting und eine Schmiermittelzusammensetzung

Title (fr)

Utilisation d'un composé de molybdène pour réduire les micro-piqures et une composition lubrifiante

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Application

EP 99302498 A 19990330

Priority

GB 9807843 A 19980409

Abstract (en)

Use of at least one friction modifier to reduce micropitting of a metal surface, which comprises lubricating the metal surface with a lubricant composition comprising the at least one friction modifier, wherein the at least one friction modifier is selected such that micropitting is reduced when the metal surface is so lubricated.

IPC 1-7

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IPC 8 full level

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Citation (applicant)

- EP 0744456 A2 19961127 - ETHYL PETROLEUM ADDITIVES LTD [GB]
- EP 0812901 A2 19971217 - ETHYL CORP [US]
- US 4158633 A 19790619 - PAPAY ANDREW G
- WO 8804313 A2 19880616 - LUBRIZOL CORP [US]
- EP 0020037 A1 19801210 - COOPER EDWIN INC [US]
- EP 0389237 A2 19900926 - ETHYL PETROLEUM ADDITIVES LTD [GB]
- EP 0776964 A1 19970604 - ETHYL PETROLEUM ADDITIVES LTD [GB]
- US 5650381 A 19970722 - GATTO VINCENT JAMES [US], et al
- US 3285942 A 19661115 - PRICE JOHN A, et al
- US 4832857 A 19890523 - HUNT MACK W [US], et al
- US 4889647 A 19891226 - ROWAN EUGENE V [US], et al
- US 5137647 A 19920811 - KAROL THOMAS J [US]
- US 5143633 A 19920901 - GALLO ROGER [FR], et al
- US 5412130 A 19950502 - KAROL THOMAS J [US]
- US 4280916 A 19810728 - RICHARDS HARRY F, et al

Cited by

EP2334771A4; WO2010062335A1; US11932821B2; EP3798287A1; CN114514305A; WO2021058868A1; DE102022111794B3; WO2023217313A1; EP4386069A1

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