

Title (en)

Water-based lubricant for saw chains.

Title (de)

Wasserhaltiges Schmiermittel für Sägeketten.

Title (fr)

Lubrifiant à base d'eau pour des chaînes de scie.

Publication

EP 0090342 A2 19831005 (DE)

Application

EP 83102869 A 19830323

Priority

DE 3211352 A 19820327

Abstract (en)

[origin: US4563294A] This saw chain lubricant is composed essentially of water and a water-soluble antifreeze agent, as main constituents, and of corrosion inhibitors, wear inhibitors and adhesion promoters in a quantity which is effective in each case, the adhesion promoter being a water-soluble polyethylene glycol and/or a water-soluble acrylamide copolymer which contains sulfonic acid groups, the molecular weight of each being at least 500,000. In combination with this adhesion promoter, which is present in an amount of 0.05 to 1% by weight, the lubricant contains 5 to 50% by weight of a water-soluble polyethylene oxide/polypropylene oxide adduct having a viscosity of at least 300 mPa.s at 50 DEG C., as a special lubricant, percentages by weight relating in each case to the weight of the agent.

Abstract (de)

Dieses Sägekettenschmiermittel besteht im wesentlichen aus Wasser und einem wasserlöslichen Frostschutzmittel als Hauptbestandteile und aus Korrosionsinhibitoren, Verschleißinhibitoren und Haftvermittler in einer jeweils wirksamen Menge, wobei der Haftvermittler ein wasserlösliches Polyethylenglykol und/oder ein Sulfonsäuregruppen enthaltendes und wasserlösliches Acrylamidcopolymerisat mit einem Molekulargewicht von jeweils mindestens 500 000 ist. In Kombination zu diesem Haftvermittler, der in einer Menge von 0.05 bis 1 Gew.-% vorliegt, enthält es 5 bis 50 Gew.-% eines wasserlöslichen Polyethylenoxid-Polypropylenoxid-Adduktes mit einer Viskosität von mindestens 300mPas bei 50°C als besonderes Schmiermittel, Gewichtsprozente jeweils bezogen auf das Gewicht des Mittels.

IPC 1-7

C10M 3/04

IPC 8 full level

C10M 173/00 (2006.01); **C10M 173/02** (2006.01); **C10N 40/00** (2006.01)

CPC (source: EP US)

C10M 173/02 (2013.01 - EP US); **C10M 2201/02** (2013.01 - EP US); **C10M 2201/062** (2013.01 - EP US); **C10M 2201/085** (2013.01 - EP US); **C10M 2201/102** (2013.01 - EP US); **C10M 2207/022** (2013.01 - EP US); **C10M 2207/046** (2013.01 - EP US); **C10M 2207/121** (2013.01 - EP US); **C10M 2207/122** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US); **C10M 2207/129** (2013.01 - EP US); **C10M 2209/104** (2013.01 - EP US); **C10M 2209/105** (2013.01 - EP US); **C10M 2209/107** (2013.01 - EP US); **C10M 2211/08** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2215/22** (2013.01 - EP US); **C10M 2215/221** (2013.01 - EP US); **C10M 2215/225** (2013.01 - EP US); **C10M 2215/226** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10M 2215/30** (2013.01 - EP US); **C10M 2217/022** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2223/042** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2010/10** (2013.01 - EP US); **C10N 2010/12** (2013.01 - EP US); **C10N 2020/01** (2020.05 - EP US); **C10N 2050/01** (2020.05 - EP US)

Cited by

EP0501422A3; WO2007068915A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0090342 A2 19831005; **EP 0090342 A3 19840307**; **EP 0090342 B1 19860219**; AT E18068 T1 19860315; BR 8301550 A 19831206; CA 1206141 A 19860617; DE 3211352 A1 19830929; DE 3362146 D1 19860327; FI 72739 B 19870331; FI 72739 C 19870710; FI 831007 A0 19830324; FI 831007 L 19830928; JP S58176297 A 19831015; US 4563294 A 19860107

DOCDB simple family (application)

EP 83102869 A 19830323; AT 83102869 T 19830323; BR 8301550 A 19830325; CA 424486 A 19830325; DE 3211352 A 19820327; DE 3362146 T 19830323; FI 831007 A 19830324; JP 4972383 A 19830326; US 47869883 A 19830325