

Title (en)  
Lubricant compositions for autotraction.

Title (de)  
Schmierölszusammensetzungen für Autoantrieb.

Title (fr)  
Compositions lubrifiantes pour traction d'automobiles.

Publication  
**EP 0482693 B1 19940119 (EN)**

Application  
**EP 91202610 A 19911007**

Priority  
IT 2181290 A 19901019

Abstract (en)  
[origin: EP0482693A1] A lubricant composition comprises: a) a mineral base oil; b) a synthetic base oil; c) a long-chain dialkyl carbonate; d) a parcel of usual additives; and e) viscosity index and pour point improvement additives. Component c) is the product of transesterification of a lower dialkyl carbonate with an alcoholic mixture consisting of at least 98% by weight of aliphatic alcohols with a linear or essentially linear hydrocarbon chain carrying a -CH<sub>2</sub>-OH group on a non-terminal carbon atom, the total number of carbon atoms in the molecule varying from 10 to 18 and preferably from 13 to 16.

IPC 1-7  
**C10M 129/84**; **C10M 167/00**; **C10M 169/04**

IPC 8 full level  
**C10M 101/02** (2006.01); **C10M 105/48** (2006.01); **C10M 111/00** (2006.01); **C10M 129/84** (2006.01); **C10M 167/00** (2006.01); **C10M 169/04** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 20/04** (2006.01); **C10N 30/00** (2006.01); **C10N 30/02** (2006.01); **C10N 30/04** (2006.01); **C10N 30/10** (2006.01); **C10N 30/12** (2006.01); **C10N 30/14** (2006.01); **C10N 40/25** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP KR)  
**C10M 101/02** (2013.01 - EP); **C10M 105/48** (2013.01 - EP); **C10M 107/02** (2013.01 - EP); **C10M 111/00** (2013.01 - EP KR); **C10M 129/84** (2013.01 - EP); **C10M 143/00** (2013.01 - EP); **C10M 145/14** (2013.01 - EP); **C10M 169/041** (2013.01 - EP); **C10M 2203/1006** (2013.01 - EP); **C10M 2203/1025** (2013.01 - EP); **C10M 2203/1045** (2013.01 - EP); **C10M 2203/1065** (2013.01 - EP); **C10M 2203/1085** (2013.01 - EP); **C10M 2205/00** (2013.01 - EP); **C10M 2205/02** (2013.01 - EP); **C10M 2205/0206** (2013.01 - EP); **C10M 2207/325** (2013.01 - EP); **C10M 2209/084** (2013.01 - EP)

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US5562851A; EP0987312A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR LI LU NL SE

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**EP 0482693 A1 19920429**; **EP 0482693 B1 19940119**; AT E100488 T1 19940215; AU 640823 B2 19930902; AU 8561591 A 19920430; BR 9104532 A 19920609; CA 2053691 A1 19920420; CA 2053691 C 20010925; CN 1029006 C 19950621; CN 1060866 A 19920506; DE 69101047 D1 19940303; DE 69101047 T2 19940519; DK 0482693 T3 19940502; EC SP910786 A 19920723; ES 2048555 T3 19940316; HU 213625 B 19970828; HU 913300 D0 19920128; HU T59180 A 19920428; IT 1243858 B 19940628; IT 9021812 A0 19901019; IT 9021812 A1 19920419; JP 3069872 B2 20000724; JP H04339895 A 19921126; KR 920008172 A 19920527; KR 940008391 B1 19940914; MX 173927 B 19940408; PL 167993 B1 19951230; PL 292090 A1 19920421; PT 99284 A 19920831; PT 99284 B 19990430; RU 2012591 C1 19940515

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**EP 91202610 A 19911007**; AT 91202610 T 19911007; AU 8561591 A 19911008; BR 9104532 A 19911018; CA 2053691 A 19911018; CN 91109939 A 19911019; DE 69101047 T 19911007; DK 91202610 T 19911007; EC SP910786 A 19911017; ES 91202610 T 19911007; HU 330091 A 19911018; IT 2181290 A 19901019; JP 29792191 A 19911018; KR 910018001 A 19911014; MX 9101625 A 19911017; PL 29209091 A 19911017; PT 9928491 A 19911018; SU 5001919 A 19911018