

Title (en)

Lubricating oil viscosity additive, method for preparing such an additive and lubricating compositions comprising the same.

Title (de)

Schmierölviskositätsadditiv, Verfahren zu seiner Herstellung und dieses enthaltende Schmiermittelzusammensetzungen.

Title (fr)

Additif de viscosité pour huiles lubrifiantes, son procédé de préparation et compositions lubrifiantes à base dudit additif.

Publication

EP 0380383 B1 19940413 (FR)

Application

EP 90400097 A 19900115

Priority

FR 8900992 A 19890127

Abstract (en)

[origin: EP0380383A1] Viscosity additive containing: - 6 to 15 parts of a 60/40-54/46 ethylene/propylene copolymer of Mw 155,000 - 250,000 (OCP> - 2 to 8 parts of a poly(C1-C20 alkyl methacrylate) of Mw 30,000 - 150,000 (PMA) with a PMA/OCP ratio of 1/5 to 1/1 - and the remainder to 100 parts of diluent oil. <??>Lubricating compositions containing 0.1 to 10% of the said additive.

IPC 1-7

C10M 157/00; C10M 157/04; C10M 161/00

IPC 8 full level

C10M 157/00 (2006.01); **C10M 157/04** (2006.01); **C10M 161/00** (2006.01); C10M 129/10 (2006.01); C10M 133/12 (2006.01); C10M 135/02 (2006.01); C10M 143/04 (2006.01); C10M 145/14 (2006.01); C10M 149/10 (2006.01); C10N 20/04 (2006.01); C10N 30/02 (2006.01)

CPC (source: EP US)

C10M 129/10 (2013.01 - EP US); **C10M 133/06** (2013.01 - EP US); **C10M 133/12** (2013.01 - EP US); **C10M 135/02** (2013.01 - EP US); **C10M 143/04** (2013.01 - EP US); **C10M 145/14** (2013.01 - EP US); **C10M 149/10** (2013.01 - EP US); **C10M 157/00** (2013.01 - EP US); **C10M 157/04** (2013.01 - EP US); **C10M 161/00** (2013.01 - EP US); C10M 2203/10 (2013.01 - EP US); C10M 2203/102 (2013.01 - EP US); C10M 2205/00 (2013.01 - EP US); C10M 2205/024 (2013.01 - EP US); C10M 2207/023 (2013.01 - EP US); C10M 2207/026 (2013.01 - EP US); C10M 2207/027 (2013.01 - EP US); C10M 2209/084 (2013.01 - EP US); C10M 2215/04 (2013.01 - EP US); C10M 2215/06 (2013.01 - EP US); C10M 2215/064 (2013.01 - EP US); C10M 2215/065 (2013.01 - EP US); C10M 2215/066 (2013.01 - EP US); C10M 2215/067 (2013.01 - EP US); C10M 2215/068 (2013.01 - EP US); C10M 2215/26 (2013.01 - EP US); C10M 2217/028 (2013.01 - EP US); C10M 2217/06 (2013.01 - EP US); C10M 2219/02 (2013.01 - EP US); C10M 2219/087 (2013.01 - EP US); C10M 2219/088 (2013.01 - EP US); C10M 2219/089 (2013.01 - EP US); C10N 2020/01 (2020.05 - EP US); C10N 2070/02 (2020.05 - EP US)

Cited by

EP0561335A1; CN100363476C; WO9821297A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0380383 A1 19900801; **EP 0380383 B1 19940413**; AT E104332 T1 19940415; CA 2008630 A1 19900727; CA 2008630 C 20010109; DE 69007995 D1 19940519; DE 69007995 T2 19940728; DK 0380383 T3 19940808; ES 2055349 T3 19940816; FR 2642435 A1 19900803; FR 2642435 B1 19940211; SG 157194 G 19950428; US 5108635 A 19920428

DOCDB simple family (application)

EP 90400097 A 19900115; AT 90400097 T 19900115; CA 2008630 A 19900126; DE 69007995 T 19900115; DK 90400097 T 19900115; ES 90400097 T 19900115; FR 8900992 A 19890127; SG 157194 A 19941025; US 47059990 A 19900126