

Title (en)

HIGH TEMPERATURE BIOBASED LUBRICANT COMPOSITIONS COMPRISING BORON NITRIDE

Title (de)

BORNITRID ENTHALTENDE HOCHTEMPERATURSCHMIERMITTEL AUF BIOBASIS

Title (fr)

COMPOSITIONS DE LUBRIFIANTS BIO AUX TEMPERATURES ELEVEES COMPRENANT LE NITRURE DE BORE

Publication

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Application

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Abstract (en)

[origin: WO2006116502A1] This present invention discloses a method for the preparation of an improved high temperature engine lubricant composition comprising the steps of: 1) providing at least one biobased natural oil or biobased synthetic oil selected from the group consisting of natural or synthetic vegetable oil, natural or synthetic animal oil, genetically modified vegetable oil, genetically modified synthetic vegetable oil, natural or synthetic tree oil, and mixtures thereof; 2) providing at least one boron nitride; and 3) optionally, providing at least one base oil selected from the group consisting of a synthetic ester, solvent refined petroleum oil, a hydrocracked petroleum white oil, an all hydroprocessed synthetic oil, Fischer Tropsch oil, petroleum oil group I, group II, group III, a polyalphaolefin (PAO), and mixtures thereof; 4) optionally, providing at least one additive or combination of additives selected from the group consisting of anti-oxidant(s), corrosion inhibitor(s), metal deactivator(s), viscosity modifier(s), anti-wear inhibitor(s), friction modifier(s), and extreme pressure agent(s); 5) blending 1), 2), 3), and 4) in any sequence to form said composition.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2006116502A1

Citation (examination)

A.F. HOLLEMANN, E. WIBERG: "Lehrbuch der Anorganischen Chemie", 1985, DE GRUYTER, Berlin, New York, ISBN: 3-11-007511-3, pages: 857 - 859

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