

Title (en)  
LUBRICANT COMPOSITION FOR LIMITING FRICTION

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG ZUR REIBUNGSBEGRENZUNG

Title (fr)  
COMPOSITION LUBRIFIANTE POUR LIMITER LE FROTTEMENT

Publication  
**EP 4073212 A1 20221019 (FR)**

Application  
**EP 20824535 A 20201211**

Priority  
• FR 1914410 A 20191213  
• EP 2020085748 W 20201211

Abstract (en)  
[origin: WO2021116401A1] The present application relates to a lubricant composition comprising, based on the total weight of the lubricant composition: - at least one base oil; - 0.005 to 10% by weight of at least one polymeric organic friction modifier; and - 0.005 to 10% by weight of at least one ester which is a product of the esterification reaction between a saturated or unsaturated, linear, cyclic or branched monoalcohol having 1 to 10 carbon atoms and a polycarboxylic acid or between a linear, cyclic or branched polyol and a saturated or unsaturated, linear, cyclic or branched monocarboxylic acid having 1 to 10 carbon atoms, said polymeric organic friction modifier is a compound of formula (I):  $R_1 - [(AO)_n - AO - R_2]_m$  (I), wherein R1 is a residue of a group having at least m hydrogen atoms, m being greater than 2; AO is an alkylene oxide residue; n is between 0 and 100; R2 is a hydrogen atom or a C-(O)-R3 group, where R3 is a residue selected from the list consisting of a polyhydroxyalkyl carboxylic acid residue, a polyhydroxyalkenyl carboxylic acid residue, a hydroxyalkyl carboxylic acid residue, a hydroxyalkenyl carboxylic acid residue, a hydroxyalkyl carboxylic acid oligomer residue and a hydroxyalkenyl carboxylic acid oligomer residue; and wherein on average at least two R2 groups are acyl.

IPC 8 full level  
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Citation (search report)  
See references of WO 2021116401A1

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