

Title (en)
LUBRICATION METHOD WITH ALKOXYLATED PERFLUOROPOLYETHER

Title (de)
SCHMIERVERFAHREN MIT ALKOXYLIERTEN PERFLUOROPOLYETHERN

Title (fr)
PROCÉDÉ DE LUBRIFICATION AVEC DES PERFLUOROPOLYÉTHÉR ALKOXYLÉ

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Application
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Abstract (en)
[origin: WO2016020232A1] A lubrication method comprising applying to a surface to be lubricated a polymer comprising a partially or fully fluorinated, straight or branched, polyoxyalkylene chain (chain Rf) having two chain ends, wherein one or both chain end(s) bear(s) a hydroxy- or alkoxy-terminated polyoxyalkylene chain free from fluorine atoms (chain Ra), said chain comprising from 4 to 50 fluorine-free oxyalkylene units, said units being the same or different from one another and being selected from -CH₂CH₂O- and -CH₂CH(J)O-, wherein J is independently straight or branched alkyl or aryl, with the proviso that, if both chain ends bear a hydroxy-terminated chain Ra comprising only -CH₂CH₂O- units, chain Rf does not consist only of -CF₂CF₂O-units. Lubricant compositions containing the polymer and methods for preparing the polymer are also herein disclosed.

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