

Title (en)  
LUBRICATION METHOD WITH ALKOXYLATED PERFLUOROPOLYETHER

Title (de)  
SCHMIERVERFAHREN MIT ALKOXYLIERTEN PERFLUOROPOLYETHERN

Title (fr)  
PROCÉDÉ DE LUBRIFICATION AVEC DES PERFLUOROPOLYÉTHÉR ALKOXYLÉ

Publication  
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Application  
**EP 15750276 A 20150729**

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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 -CH<sub>2</sub>CH<sub>2</sub>O- and -CH<sub>2</sub>CH(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 -CH<sub>2</sub>CH<sub>2</sub>O- units, chain Rf does not consist only of -CF<sub>2</sub>CF<sub>2</sub>O-units. Lubricant compositions containing the polymer and methods for preparing the polymer are also herein disclosed.

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