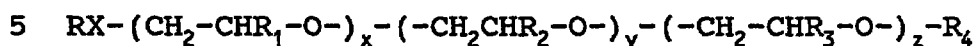


BLOCK COPOLYMERS, THEIR PREPARATION AND THEIR USE AS
LUBRICANTS

Abstract

Block copolyethers having general formula (I):



wherein:

- R is selected from H, alkyl, alkylaryl;

- X is selected from O, S and N;

- R_1, R_2 and R_3 are selected from H, CH_3 , and C_2-C_{10} alkyl
10 radicals;

- R_4 is selected from H, alkyl, acyl;

- x, y, z represent the number of ether units and are
integers which have such values that the molecular
weight of the compound having general formula (I) is
15 between 600 and 4000, and in addition $(x+z)/y$ is
between 1.5 and 5.0; with the proviso that:

a) either R_1 and R_3 are selected from H and CH_3 , in
which case R_2 is selected from C_2 to C_{10} alkyl radicals,

b) or R_1 and R_3 are selected from C_2-C_{10} alkyl radicals,

20 in which case R_2 is selected from H and CH_3 .