

Title (en)  
CALIXARENES AND THEIR USE AS LUBRICANT ADDITIVES

Title (de)  
CALIXARENE UND IHRE VERWENDUNG ALS SCHMIERSTOFFADDITIVE

Title (fr)  
CALIXARENES ET LEUR UTILISATION EN TANT QU'ADDITIFS DE LUBRIFICATION

Publication  
**EP 1254100 A1 20021106 (EN)**

Application  
**EP 00988965 A 20001211**

Priority

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- GB 0002779 A 20000207
- US 18904100 P 20000314

Abstract (en)  
[origin: WO0156968A1] A cyclic compound comprising m units of formula (Ia) and n units of formula (Ib) joined together to form a ring, wherein Y and Y<2> are divalent bridging groups which may be the same or different in each unit; R<0> is H or (C1-C6) alkyl or is a metal or ammonium cation; R<5> is H or (C1-C60) alkyl or OH group; j is 1 or 2; R<3> is hydrogen, a hydrocarbyl or a hetero-substituted hydrocarbyl group; each of R<1>, R<2> and R<4>, which may be the same or different, is hydroxyl, hydrogen, hydrocarbyl or hetero-substituted hydrocarbyl, with the provisos that i) at least one of R<1>, R<2>, R<4> is hydroxyl, and m + n is 4 to 20, m is 1-8 and n is at least 3, and ii) in formula Ia at least one OH group is in the meta or para position to the COOR<0> group and/or at least one R<5> group is OH.

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Citation (search report)  
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