

Title (en)

NEW ANIONIC SURFACTANTS AND DETERGENTS AND CLEANING AGENTS CONTAINING SAME

Title (de)

NEUE ANIONISCHE TENSIDE UND WASCH- UND REINIGUNGSMITTEL, WELCHE DIESE ENTHALTEN

Title (fr)

NOUVEAUX TENSIOACTIFS ANIONIQUES ET DÉTERGENTS CONTENANT CEUX-CI

Publication

**EP 3497194 A1 20190619 (DE)**

Application

**EP 17758445 A 20170808**

Priority

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Abstract (en)

[origin: WO2018029202A1] The invention relates to an anionic surfactant of general formula (I) in which n and m are, independently of one another, numbers from 0 to 17 and  $2 < n + m < 20$ , and  $X^+$  is a charge-balancing cation. The invention also relates to a production method by means of: the acid-catalysed reaction of 2,5-bis(hydroxymethyl) tetrahydrofuran with an alkene having 5 to 22 C atoms in equimolar amounts, at an increased temperature; subsequent sulphation with a sulphating agent; and optional neutralisation by a subsequent reaction with  $X^+OH^-$  or  $X^+ 2CO_3^{2-}$ , where  $X^+$  is an alkali metal cation or a group  $N^+R_1R_2R_3$ , in which  $R_1$ ,  $R_2$  and  $R_3$  are, independently of one another, hydrogen, an alkyl group with 1 to 6 C atoms, or a hydroxyalkyl group with 2 to 6 C atoms. Detergents or cleaning agents containing said surfactant, and the use of same to improve the performance of the detergents or cleaning agents, are also disclosed.

IPC 8 full level

**C11D 1/26** (2006.01); **C07D 307/12** (2006.01)

CPC (source: EP US)

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Citation (examination)

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- US 3855248 A 19741217 - LANNERT K, et al
- GB 1320178 A 19730613 - UNILEVER LTD
- US 3923679 A 19751202 - RAPKO JOHN N
- See also references of WO 2018029202A1

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