

Title (en)
PROCESS FOR MANUFACTURING HIGHLY SULPHATED FATTY ACIDS AND FATTY ACID DERIVATIVES.

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HOCH SULPHATIERTEN FETTSÄUREDERIVATEN.

Title (fr)
PROCEDE POUR FABRIQUER DES ACIDES GRAS ET DES DERIVES D'ACIDES GRAS FORTEMENT SULFATES.

Publication
EP 0440730 A1 19910814 (DE)

Application
EP 89912428 A 19891020

Priority
DE 3836447 A 19881026

Abstract (en)
[origin: EP0366015A1] To obtain highly sulphated fatty acids, hydroxy fatty acids or oxalkylated hydroxy fatty acids, the reaction mixture obtained from the sulphatation of unsaturated fatty acid esters and/or saturated hydroxy fatty acid esters and/or oxalkylated hydroxy fatty acid esters is neutralized, separated if necessary from the brine, diluted with water and hydrolysed at a temperature between 20 DEG C and 160 DEG C after addition of a quantity of lye whose molar content is not greater than that of the organically bound sulphuric acid. After separation of the phases containing the non-sulphated starting products and the highly sulphated fatty acids, the latter are isolated from the aqueous phase.

Abstract (fr)
Pour obtenir des acides gras fortement sulfatés, des acides gras d'hydroxy ou des acides gras d'hydroxy oxalkylés, le mélange de réaction résultant de la sulfatation d'esters d'acide gras insaturés et/ou d'esters d'acide gras d'hydroxy saturés et/ou d'esters d'acide gras d'hydroxy oxalkylés est neutralisé, le cas échéant séparé de la saumure, dilué avec de l'eau et hydrolysé à une température comprise entre 20°C et 160°C après addition d'une quantité de lessive dont la teneur molaire n'est pas supérieure à celle de l'acide sulfurique organiquement lié. Les acides gras fortement sulfatés sont, après séparation de phase des produits de départ non sulfatés, isolés de la phase aqueuse.

IPC 1-7
C07C 303/24

IPC 8 full level
C07C 303/24 (2006.01); **C07C 305/06** (2006.01)

CPC (source: EP US)
C07C 303/24 (2013.01 - EP US)

C-Set (source: EP US)
1. **C07C 303/24** + **C07C 305/06**
2. **C07C 303/24** + **C07C 305/10**

Citation (search report)
See references of WO 9004586A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0366015 A1 19900502; EP 0366015 B1 19930310; AT E86610 T1 19930315; DE 3836447 A1 19900517; DE 3836447 C2 19940203; DE 58903723 D1 19930415; EP 0440730 A1 19910814; ES 2020802 A4 19911001; ES 2020802 T3 19930816; GR 3007800 T3 19930831; GR 910300037 T1 19911115; JP 2700831 B2 19980121; JP H04501416 A 19920312; US 5304664 A 19940419; WO 9004586 A1 19900503

DOCDB simple family (application)
EP 89119501 A 19891020; AT 89119501 T 19891020; DE 3836447 A 19881026; DE 58903723 T 19891020; EP 8901257 W 19891020; EP 89912428 A 19891020; ES 89119501 T 19891020; GR 910300037 T 19911115; GR 930400425 T 19930507; JP 51150089 A 19891020; US 68149591 A 19910405