

Title (en)
IMPROVED PROCESSES FOR MAKING SURFACTANTS VIA ADSORPTIVE SEPARATION AND PRODUCTS THEREOF

Title (de)
VERBESSERTES VERFAHREN ZUR HERSTELLUNG VON TENSIDEN MITTELS EINER ADSORPTIVEN TRENNUNG UND PRODUKTE DAVON

Title (fr)
PROCEDES AMELIORES PERMETTANT DE PRODUIRE DES TENSIOACTIFS PAR SEPARATION, PAR ADSORPTION, ET PRODUITS RELATIFS

Publication
EP 1109764 A1 20010627 (EN)

Application
EP 99946725 A 19990901

Priority
• US 9920124 W 19990901
• US 9891098 P 19980902

Abstract (en)
[origin: WO0012451A1] Processes for making particularly branched, especially monomethyl-branched or nongeminal dimethyl-branched surfactants used in cleaning products; preferred processes comprising particular combinations of two or more adsorptive separation steps and, more preferably, particular OXO and/or alkylation steps; products of such processes, including certain modified primary OXO alcohols and/or alkylbenzenes, modified primary OXO alcohol-derived alkoxyated alcohols, alkylsulfates and/or alkoxy sulfates; alkylbenzenesulfonate surfactants, and consumer cleaning products, especially laundry detergents, containing them. Preferred processes herein more specifically use specific, unconventional sequences of sorptive separation steps to secure certain branched hydrocarbon fractions which are used in further process steps to make olefins useful in OXO processes or as alkylating agents for arenes or for other useful surfactant-making purposes. Surprisingly, such fractions can even be derived from effluents from current linear alkylbenzene manufacture.

IPC 1-7
C07C 7/13; **C07C 9/16**; **C07C 5/333**; **C07C 11/02**; **C07C 29/16**; **C07C 31/125**; **C07C 2/66**; **C07C 15/107**; **C07C 303/06**; **C07C 309/31**; **C11D 1/14**; **C11D 1/22**; **C11D 1/68**; **C11D 1/722**

IPC 8 full level
C07B 61/00 (2006.01); **C07C 2/66** (2006.01); **C07C 15/107** (2006.01); **C07C 29/16** (2006.01); **C07C 31/125** (2006.01); **C07C 41/16** (2006.01); **C07C 43/13** (2006.01); **C07C 303/06** (2006.01); **C07C 303/08** (2006.01); **C07C 309/30** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/37** (2006.01); **C11D 1/72** (2006.01); **C11D 1/83** (2006.01); **C07C 309/31** (2006.01)

CPC (source: EP KR)
C07C 7/13 (2013.01 - KR); **C07C 303/06** (2013.01 - EP); **C11D 1/146** (2013.01 - EP); **C11D 1/22** (2013.01 - EP); **C11D 1/29** (2013.01 - EP); **C11D 1/37** (2013.01 - EP); **C11D 1/72** (2013.01 - EP); **C11D 1/83** (2013.01 - EP)

C-Set (source: EP)
C07C 303/06 + C07C 309/31

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0012451 A1 20000309; AU 5907099 A 20000321; AU 763208 B2 20030717; BR 9913663 A 20010605; CA 2341224 A1 20000309; CN 1325372 A 20011205; CZ 2001715 A3 20010815; EG 22509 A 20030331; EP 1109764 A1 20010627; HU P0103529 A2 20020429; HU P0103529 A3 20030228; ID 28647 A 20010621; JP 2002523480 A 20020730; KR 20010087304 A 20010915; KR 20040053247 A 20040623; KR 20040053249 A 20040623; MA 24994 A1 20000701; TR 200100644 T2 20010723

DOCDB simple family (application)
US 9920124 W 19990901; AU 5907099 A 19990901; BR 9913663 A 19990901; CA 2341224 A 19990901; CN 99812993 A 19990901; CZ 2001715 A 19990901; EG 109699 A 19990902; EP 99946725 A 19990901; HU P0103529 A 19990901; ID 20010525 A 19990901; JP 2000567488 A 19990901; KR 20017002767 A 20010302; KR 20047006602 A 19990901; KR 20047006611 A 19990901; MA 25752 A 19990902; TR 200100644 T 19990901