

Title (en)
USE OF MIXED FORMALS OF ALKYL POLYGLYCOL ETHERS AS FOAM SUPPRESSING AGENTS

Publication
EP 0040713 B1 19831116 (DE)

Application
EP 81103326 A 19810502

Priority
DE 3018149 A 19800512

Abstract (en)
[origin: ES8300018A1] An alkaline washing composition comprised of strongly alkaline reacting inorganic salts, optionally wetting agents and a defoaming effective amount of at least one mixed formal of an alkylpolyglycol ether having the formula: $R_1-O-(CH_2CH_2O)_m-CH_2-(OCH_2CH_2)_n-O-R_2$ wherein R_1 is a straight or branched chain alkyl or alkenyl with from 8 to 22 carbon atoms, R_2 is a straight or branched chain alkyl with from 1 to 5 carbon atoms, m is a number from 2 to 30 and n is a number from 1 to 3 as well as the improvement in the process of washing rigid solid articles comprising contacting the soiled rigid solid articles with a strongly alkaline washing solution containing a defoaming effective amount of a defoaming agent, rinsing said rigid solid articles and recovering cleaned rigid solid articles, the improvement consisting of using said mixed formal as said defoaming agent.

IPC 1-7
C11D 1/72; **C11D 7/06**

IPC 8 full level
B01D 19/04 (2006.01); **C11D 1/72** (2006.01); **C11D 3/00** (2006.01); **C11D 7/06** (2006.01)

CPC (source: EP US)
C11D 1/721 (2013.01 - EP US); **C11D 3/0026** (2013.01 - EP US)

Cited by
EP0054894A1; EP0124815A3; EP0564402A1; CH684933A5; CN105939602A; AU2015213032B2; US11051510B2; WO2015113860A1

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

DOCDB simple family (publication)
EP 0040713 A1 19811202; **EP 0040713 B1 19831116**; AR 223116 A1 19810715; AT E5328 T1 19831215; BR 8102900 A 19820202; CA 1157736 A 19831129; DE 3018149 A1 19811119; DE 3161415 D1 19831222; DK 166781 A 19811113; ES 502104 A0 19821001; ES 8300018 A1 19821001; FI 66900 B 19840831; FI 66900 C 19841210; FI 811131 L 19811113; JP S5715806 A 19820127; MX 7094 E 19870608; NO 151244 B 19841126; NO 151244 C 19850306; NO 811284 L 19811113; TR 21341 A 19840416; US 4364777 A 19821221; ZA 813128 B 19820526

DOCDB simple family (application)
EP 81103326 A 19810502; AR 28529081 A 19810512; AT 81103326 T 19810502; BR 8102900 A 19810511; CA 376613 A 19810430; DE 3018149 A 19800512; DE 3161415 T 19810502; DK 166781 A 19810413; ES 502104 A 19810511; FI 811131 A 19810413; JP 7287381 A 19810512; MX 944281 U 19810508; NO 811284 A 19810413; TR 2134181 A 19810512; US 25785581 A 19810427; ZA 813128 A 19810511