

Title (en)  
Surfactant composition, degreasing composition and degreasing bath.

Title (de)  
Tensidzusammensetzung, Entfettungsmittel und Entfettungsbad.

Title (fr)  
Composition de tensio-actifs, composition et bain de dégraissage.

Publication  
**EP 0392394 A1 19901017 (EN)**

Application  
**EP 90106663 A 19900406**

Priority  
JP 9150489 A 19890411

Abstract (en)  
The degreasing composition comprises a surfactant composition comprising a compound (a) represented by the general formula:  $R_{<1>}O(AO)_nH$ , wherein  $R_{<1>}$  is a substituted or unsubstituted hydrocarbon group having 6 or more carbon atoms; A is at least one group selected from the group consisting of an ethylene group, a propylene group, a butylene group and a styrene group, provided that an ethylene group in A is 5 mol or more per 1 mol of  $R_{<1>}$ , and that the ethylene group is 50 mol % or more per 100 mol % of the A; and n is an integer of 5 - 50; and a compound (b) represented by the general formula:  $(R_{<2>}O)_x @ (O(EO)_n)_yH$ , wherein  $R_{<2>}$  is a substituted or unsubstituted hydrocarbon group having 6 or more carbon atoms, E is an ethylene group, n is an integer of 1 - 20, x and y are 1 or 2, and  $x + y = 3$ , in a weight ratio of compound (a)/compound (b) = 10/90 - 95/5, and further comprises an alkali builder in a weight ratio [(compound (a) + compound (b))/alkali builder] of 1:0.1 - 1:2,000.

IPC 1-7  
**C11D 1/825**; **C23G 1/14**

IPC 8 full level  
**C11D 1/825** (2006.01); **C23G 1/14** (2006.01); **C23G 1/24** (2006.01); **C11D 1/72** (2006.01); **C11D 1/78** (2006.01)

CPC (source: EP)  
**C11D 1/825** (2013.01); **C11D 3/0026** (2013.01); **C23G 1/14** (2013.01); **C11D 1/72** (2013.01); **C11D 1/78** (2013.01)

Citation (search report)

- [A] US 4539134 A 19850903 - MARTIN LARRY D [SA], et al
- [A] US 4247424 A 19810127 - KUZEL MARYANN, et al
- [A] US 4552673 A 19851112 - GROLITZER MARILYN A [US]

Cited by  
US5501816A; US6492317B1

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**EP 0392394 A1 19901017**; **EP 0392394 B1 19930127**; CA 2014085 A1 19901011; DE 69000812 D1 19930311; DE 69000812 T2 19930715; ES 2054135 T3 19940801; JP 2578367 B2 19970205; JP H02269799 A 19901105

DOCDB simple family (application)  
**EP 90106663 A 19900406**; CA 2014085 A 19900406; DE 69000812 T 19900406; ES 90106663 T 19900406; JP 9150489 A 19890411