

Title (en)
HARD SURFACE CLEANING AND COMPOSITIONS THEREFOR

Publication
EP 0396340 A3 19920715 (EN)

Application
EP 90304582 A 19900426

Priority
GB 8910373 A 19890505

Abstract (en)
[origin: EP0396340A2] Salts of compounds of formula $X_{min} OCOCH_2CH(CO_2X_{sec})SO_3H$ in which one of X_{min} and X_{sec} is a hydrogen atom and the other is a group of formula $ROX-$ in which R is an alkyl or alkylphenyl group having 8 to 18 carbon atoms and X is a polyalkylene glycol residue comprising 0.5 to 5 alkylene oxide residues which preferably comprise propylene oxide and ethylene oxide residues in a molar ratio of 0 to 2.5:1 are suitable for use as skin-protective agents in hard surface cleaning applications.

IPC 1-7
C11D 3/34

IPC 8 full level
C11D 1/12 (2006.01); **C11D 1/28** (2006.01)

CPC (source: EP)
C11D 1/123 (2013.01); **C11D 1/28** (2013.01)

Citation (search report)

- [Y] US 3962418 A 19760608 - BIRKOFER ROGER CLARENCE
- [A] EP 0236677 A2 19870916 - JOHNSON & SON INC S C [US]
- [AP] EP 0358216 A2 19900314 - KAO CORP [JP]
- [E] WO 9007922 A2 19900726 - HENKEL KGAA [DE]
- [Y] WORLD PATENTS INDEX Week 8015, Derwent Publ
- [A] CHEMICAL ABSTRACTS, vol. 110, no. 8, 20 February 1989, Columbus, Oh

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WO9530729A1

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

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EP 0396340 A2 19901107; **EP 0396340 A3 19920715**; GB 8910373 D0 19890621; NO 901983 D0 19900504; NO 901983 L 19901106; PT 93955 A 19910108

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