

Title (en)  
CONCENTRATED LIQUID DETERGENT COMPOSITION COMPRISING AN ALKYL ETHER SULPHATE AND A PROCESS FOR MAKING THE COMPOSITION.

Title (de)  
KONZENTRIERTE FLÜSSIGWASCHMITTELZUSAMMENSETZUNG ALKYLEETHERSULFAT ENHALTEND AND VERFAHREN ZUR HERSTELLUNG DIESER ZUSAMMENSETZUNG.

Title (fr)  
COMPOSITION CONCENTREE DE DETERGENT LIQUIDE COMPRENANT UN SULFATE D'ETHER D'ALKYLE ET SON PROCEDE DE PREPARATION.

Publication  
**EP 0656046 A4 19950920 (EN)**

Application  
**EP 93920103 A 19930812**

Priority  
• EP 93920103 A 19930812  
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• US 9307700 W 19930812

Abstract (en)  
[origin: WO9404640A1] A concentrated aqueous surfactant solution comprising alkyl ether sulphate and alkaline earth metal, preferably magnesium. The composition is a stable liquid which is suitable for making into cleaning products, especially dish washing liquids. The concentrated surfactant solution can be prepared by partial neutralisation of the acid precursor with the hydroxide or oxide of the alkaline earth metal, followed by a further neutralisation with the hydroxide of an alkali metal or ammonium.

IPC 1-7  
**C11D 1/29**; **C11D 3/075**

IPC 8 full level  
**C11D 1/29** (2006.01); **C11D 3/075** (2006.01); **C11D 3/20** (2006.01); **C11D 11/04** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)  
**C11D 1/29** (2013.01); **C11D 11/04** (2013.01)

Citation (search report)  
• [A] WO 9206171 A1 19920416 - PROCTER & GAMBLE [US]  
• [A] WO 9206156 A1 19920416 - PROCTER & GAMBLE [US]  
• [DA] US 4129515 A 19781212 - FOSTER GREGORY S  
• [A] GB 2078246 A 19820106 - PROCTER & GAMBLE  
• [A] EP 0107946 A1 19840509 - PROCTER & GAMBLE [US], et al  
• [A] EP 0062371 A1 19821013 - PROCTER & GAMBLE [US], et al  
• [A] FR 2324723 A1 19770415 - KAO CORP [JP]  
• [DA] FR 2296688 A1 19760730 - PROCTER & GAMBLE [US]  
• See references of WO 9404640A1

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

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**WO 9404640 A1 19940303**; AU 5015293 A 19940315; BR 9306927 A 19990112; CA 2142913 A1 19940303; CA 2142913 C 19990518; CN 1047615 C 19991222; CN 1086538 A 19940511; EP 0656046 A1 19950607; EP 0656046 A4 19950920; JP H08500388 A 19960116; MA 22957 A1 19940401; TR 27633 A 19950614; TW 246686 B 19950501

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