

Title (en)  
DETERGENT COMPOSITIONS

Title (de)  
WASCHMITTELZUBEREITUNGEN

Title (fr)  
COMPOSITIONS DETERGENTES

Publication  
**EP 0845024 A1 19980603 (EN)**

Application  
**EP 96923647 A 19960703**

Priority

- GB 9513965 A 19950708
- GB 9519665 A 19950926
- US 9611298 W 19960703

Abstract (en)  
[origin: WO9703164A1] There is provided a surfactant system comprising: (a) an anionic sulfate surfactant component; (b) a cationic ester surfactant; and (c) a hydrophilic alkoxyated nonionic surfactant having a HLB value of at least 9.1, wherein the weight ratio of anionic sulfate surfactant component to cationic ester surfactant is from 2.5:1 to 20:1 and the weight ratio of anionic sulfate surfactant component to hydrophilic alkoxyated nonionic surfactant is from 1:5 to 5:1. Alternatively, component (c) is a hydrophilic surfactant system comprising a plurality of nonionic surfactant components.

IPC 1-7  
**C11D 1/62; C11D 1/86**

IPC 8 full level  
**C11D 1/86** (2006.01); **C11D 1/14** (2006.01); **C11D 1/29** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)  
**C11D 1/86** (2013.01); **C11D 17/046** (2013.01); **C11D 1/146** (2013.01); **C11D 1/29** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01)

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

DOCDB simple family (publication)  
**WO 9703164 A1 19970130**; CA 2226621 A1 19970130; EP 0845024 A1 19980603; EP 0845024 A4 19990922

DOCDB simple family (application)  
**US 9611298 W 19960703**; CA 2226621 A 19960703; EP 96923647 A 19960703