

Title (en)  
SURFACTANT COMPOSITIONS

Title (de)  
TENSIDZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITIONS DE TENSIOACTIFS

Publication  
**EP 0986369 A1 20000322 (EN)**

Application  
**EP 98924470 A 19980528**

Priority  
• GB 9801568 W 19980528  
• GB 9711786 A 19970607

Abstract (en)  
[origin: WO9855088A1] Organic solvent free co-polymeric surfactants of the formula: A - B - A where each A is an oligo- or polyester residue of a hydroxycarboxylic acid and B is a polyoxyalkylene chain (both as defined) are useful in personal care water-in-oil emulsion, particularly for emulsions where the aqueous phase includes dissolved electrolyte, urea or alcohols or for hydrophile-in-oil emulsions or dispersion having polyol or aqueous polyol solution hydrophile phase. The hydrophile-in-oil emulsions can be formulated as multiple hydrophile-in-oil-in-water emulsions. The invention includes a single step process for oil-in-water emulsions containing water-in-oil droplets by forming a mixture of an oil phase and oil-in-water primary (oil in water) emulsifier including also the copolymer surfactant and adding to the oil mixture under stirring to an aqueous phase. In particular the primary emulsifier is a combination of a hydrophilic fatty alcohol ethoxylate surfactant and a hydrophobic fatty alcohol ethoxylate surfactant and especially including added fatty alcohol.

IPC 1-7  
**A61K 7/48**

IPC 8 full level  
**A61K 8/06** (2006.01); **A61K 8/72** (2006.01); **A61K 8/04** (2006.01); **A61K 8/20** (2006.01); **A61K 8/34** (2006.01); **A61K 8/36** (2006.01); **A61K 8/37** (2006.01); **A61K 8/39** (2006.01); **A61K 8/40** (2006.01); **A61K 8/85** (2006.01); **A61K 8/86** (2006.01); **A61K 8/90** (2006.01); **A61Q 15/00** (2006.01); **A61Q 19/00** (2006.01); **C08K 5/00** (2006.01); **C08L 67/04** (2006.01); **C08L 71/00** (2006.01); **C08L 71/02** (2006.01)

CPC (source: EP)  
**A61K 8/066** (2013.01); **A61K 8/90** (2013.01); **A61Q 19/00** (2013.01); **A61Q 15/00** (2013.01)

Citation (search report)  
See references of WO 9855088A1

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

DOCDB simple family (publication)  
**WO 9855088 A1 19981210**; AU 7666898 A 19981221; EP 0986369 A1 20000322; GB 9711786 D0 19970806; JP H1112125 A 19990119

DOCDB simple family (application)  
**GB 9801568 W 19980528**; AU 7666898 A 19980528; EP 98924470 A 19980528; GB 9711786 A 19970607; JP 18500897 A 19970710