

Title (en)  
AQUEOUS LAUNDRY SOFTENING AGENT WITH HIGH ZETA POTENTIAL

Title (de)  
WÄSSRIGES WÄSCHEWEICHSPÜLMITTEL MIT HOHEM ZETA-POTENTIAL

Title (fr)  
ASSOUPLISSANT TEXTILE AQUEUX A HAUT POTENTIEL ZETA

Publication  
**EP 0920486 B2 20041013 (DE)**

Application  
**EP 97927127 A 19970604**

Priority  
• DE 19623764 A 19960614  
• EP 9702892 W 19970604

Abstract (en)  
[origin: WO9747716A2] Aqueous softening dispersions which, in relation to the weight of the dispersion, contain 0.5 to 20 wt % of at least one non-ionic fat, 0.2 to 10 wt % of a water-soluble or insoluble cationic emulsifier and possibly upon to 10 wt % of a non-ionic emulsifier, in which the weight ratios between fat and emulsifiers is between 10:1 and 0.5:1, exhibit a good soft-care effect if the zeta potential of the dispersion is at least +30 mV at 25 DEG C and a pH of 7.

IPC 1-7  
**C11D 1/835**

IPC 8 full level  
**C11D 1/645** (2006.01); **C11D 1/835** (2006.01); **C11D 3/00** (2006.01); **C11D 3/20** (2006.01); **C11D 1/44** (2006.01); **C11D 1/52** (2006.01); **C11D 1/62** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)  
**C11D 1/645** (2013.01); **C11D 1/835** (2013.01); **C11D 3/0015** (2013.01); **C11D 3/2013** (2013.01); **C11D 1/44** (2013.01); **C11D 1/525** (2013.01); **C11D 1/62** (2013.01); **C11D 1/662** (2013.01); **C11D 1/667** (2013.01); **C11D 1/72** (2013.01)

Citation (opposition)  
Opponent :  
• WO 9419439 A1 19940901 - UNILEVER PLC [GB], et al  
• US 4320013 A 19820316 - LOHMAN FREDERICK H  
• GB 1601359 A 19811028 - PROCTER & GAMBLE

Cited by  
US9688945B2; US9725679B2; US7893014B2; US9150819B2; US10822577B2; US10415003B2; US10947481B2; US11466233B2; US8232239B2; US8367601B2; US8673838B2; US9388366B2; US9969957B2; US10415004B2

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