

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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WO 9747716 A2 19971218; WO 9747716 A3 19980305; AT E212050 T1 20020215; DE 19623764 A1 19971218; DE 59706021 D1 20020221; EP 0920486 A2 19990609; EP 0920486 B1 20020116; EP 0920486 B2 20041013; ES 2171950 T3 20020916; ES 2171950 T5 20050416

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