

Title (en)
VISCOSITY STABLE CONCENTRATED LIQUID FABRIC SOFTENER COMPOSITIONS

Title (de)
VISKOSITÄTSSTABILE KONZENTRIERTE WEICHSPÜLERZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS ASSOUPLEISSANTES CONCENTREES LIQUIDES, DE VISCOSITE STABLE

Publication
EP 0734433 A1 19961002 (EN)

Application
EP 95904876 A 19941212

Priority
• US 9414255 W 19941212
• US 16611393 A 19931213

Abstract (en)
[origin: WO9516766A1] Viscosity stable, concentrated, aqueous, liquid fabric softening compositions contain a mixture of biodegradable diester quaternary ammonium softening materials and specific co-active fabric softening materials which include substituted imidazoline compounds and specific quaternary ammonium salts. The compositions have superior stability at both normal and lower temperatures. The best process for preparing such compositions uses a molten premix of the fabric softening materials which is dispersed in an aqueous phase through the use of high shear milling.

IPC 1-7
C11D 1/645; **C11D 3/00**

IPC 8 full level
D06M 13/46 (2006.01); **C11D 1/645** (2006.01); **C11D 3/00** (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/463** (2006.01); **C11D 1/62** (2006.01)

CPC (source: EP)
C11D 1/645 (2013.01); **C11D 3/0015** (2013.01); **C11D 1/62** (2013.01)

Citation (search report)
See references of WO 9516766A1

Cited by
US7078374B2; US7056881B2

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DE ES FR GB

DOCDB simple family (publication)
WO 9516766 A1 19950622; BR 9408310 A 19970826; CA 2179007 A1 19950622; CA 2179007 C 20020402; CN 1142847 A 19970212; CN 1161450 C 20040811; DE 69423650 D1 20000427; DE 69423650 T2 20001102; DE 69423650 T3 20041118; EP 0734433 A1 19961002; EP 0734433 B1 20000322; EP 0734433 B2 20040324; ES 2144603 T3 20000616; ES 2144603 T5 20041116; JP 3746294 B2 20060215; JP H09506684 A 19970630; MA 23394 A1 19950701

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