

Title (en)

Composition suitable for use as, or in, an acidic rinse aid.

Title (de)

Zusammensetzung, geeignet zur Verwendung als oder in sauren Klarspülmitteln.

Title (fr)

Composition propre à l'usage comme ou dans des agents de rinçage.

Publication

EP 0308221 A1 19890322 (EN)

Application

EP 88308536 A 19880915

Priority

GB 8721936 A 19870918

Abstract (en)

A composition suitable for use as, or in, an acidic rinse aid comprises low foam nonionic surfactant, polymer having a weight average molecular weight of 1,000 to 250,000, water and, as compatibilizer or stabilizer, further nonionic surfactant having a cloud point of 70 DEG C or above. The compositions may also be suitable for use as, or in, glass cleaning compositions, metal cleaning, textile production, finishing and wash-off compositions, and water treatment compositions.

IPC 1-7

C11D 1/825; **C11D 3/37**

IPC 8 full level

C11D 1/825 (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01); **C11D 1/72** (2006.01); **C11D 1/722** (2006.01)

CPC (source: EP)

C11D 1/825 (2013.01); **C11D 3/0026** (2013.01); **C11D 3/3765** (2013.01); **C11D 3/3773** (2013.01); **C11D 17/0021** (2013.01); **C11D 1/72** (2013.01); **C11D 1/722** (2013.01)

Citation (search report)

- [A] GB 965215 A 19640729 - UNILEVER LTD
- [A] EP 0066342 A2 19821208 - UNILEVER NV [NL], et al
- [A] FR 2559779 A1 19850823 - DIVERSEY CORP [CA]

Cited by

US8911560B2; US6630440B1; EP0851022A3; US5753608A; EP0778340A3; EP0851021A3; EP0638635A1; US5559273A; US5880087A; US5597789A; US5591703A; EP0522756A1; US5739099A; EP2679663A1; US2014005095A1; CN103509654A; AU2013206142B2; WO2004024856A3; WO9510590A1; WO9215664A1; WO9502674A1; WO0234869A1; WO9425557A1; WO9530732A1; US9809786B2; US10208272B2; US7390776B2; US6730645B1; US10865367B2; US11685882B2; WO0043486A1; WO9425556A1; US11118140B2; US11624043B2; EP0699226B2

Designated contracting state (EPC)

BE DE ES FR GB GR IT NL SE

DOCDB simple family (publication)

EP 0308221 A1 19890322; **EP 0308221 B1 19920429**; AU 2231488 A 19890323; AU 607535 B2 19910307; CA 1314187 C 19930309; DE 3870560 D1 19920604; GB 8721936 D0 19871028; JP H01158098 A 19890621; NO 172751 B 19930524; NO 172751 C 19930901; NO 884074 D0 19880914; NO 884074 L 19890320; ZA 886913 B 19890530

DOCDB simple family (application)

EP 88308536 A 19880915; AU 2231488 A 19880916; CA 577564 A 19880916; DE 3870560 T 19880915; GB 8721936 A 19870918; JP 23468488 A 19880919; NO 884074 A 19880914; ZA 886913 A 19880916