

Title (en)  
Isotropic laundry detergents.

Title (de)  
Isotrope Waschmittel.

Title (fr)  
Détergents isotropes pour le linge.

Publication  
**EP 0339120 A1 19891102 (EN)**

Application  
**EP 88106946 A 19880429**

Priority  
EP 88106946 A 19880429

Abstract (en)  
Stable, isotropic liquid laundry detergent and sanitizer compositions comprising a polymeric linear quaternary ammonium salt, one or more nonionic surfactants and water.

IPC 1-7  
**C11D 1/62**; **C11D 1/835**; **C11D 3/00**

IPC 8 full level  
**C11D 1/72** (2006.01); **C11D 1/75** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)  
**C11D 1/72** (2013.01); **C11D 1/75** (2013.01); **C11D 3/3723** (2013.01)

Citation (search report)

- EP 0076136 A2 19830406 - ALCON LAB INC [US]
- EP 0133900 A2 19850313 - STERLING DRUG INC [US]
- US 4091113 A 19780523 - GREEN HAROLD A, et al
- US 3771989 A 19731113 - PERA J, et al
- FR 2271840 A1 19751219 - PROCTER & GAMBLE [US]
- EP 0000224 A1 19790110 - PROCTER & GAMBLE [US]
- FR 2345997 A1 19771028 - KAO CORP [JP]

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)  
**EP 0339120 A1 19891102**

DOCDB simple family (application)  
**EP 88106946 A 19880429**