

Title (en)

Liquid softening and anti-static nonionic detergent composition with soil release promoting pet-poet copolymer.

Title (de)

Flüssige, weichmachende und antistatische nichtionische Detergenezusammensetzung mit die Schmutzabstossung förderndem PET-POET-Polymer.

Title (fr)

Composition détergente non ionique liquide antistatique et adoucissant contenant un copolymère du type polyéthylène-téréphtalate/polyoxyéthylène-téréphtalate.

Publication

**EP 0456569 A1 19911113 (EN)**

Application

**EP 91401185 A 19910506**

Priority

US 52042190 A 19900508

Abstract (en)

A liquid softening and anti-static nonionic detergent composition comprises, as essential ingredients, a nonionic detergent, an anionic detergent, a cationic fabric softener-anti-static agent and a soil release promoting polymer of the polyethylene terephthalate-polyoxyethylene terephthalate type.

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**C11D 3/37**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 4818422 A 19890404 - ADAMS RICHARD P [US], et al
- [X] US 4824582 A 19890425 - NAYAR BALA C [US]
- [A] US 4790856 A 19881213 - WIXON HAROLD E [US]

Cited by

EP0749998A1; TR27570A; US5750490A; FR2709759A1; US6136769A; CN117363432A; US7655609B2; WO9820092A3; WO9529218A1; WO9744419A3; WO9712019A1; WO02053690A3; WO9621715A1; WO9520640A1; WO9743365A3

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DOCDB simple family (application)

**EP 91401185 A 19910506**; AU 7633491 A 19910501; CA 2041716 A 19910502; MX 2570791 A 19910508; MY PI19910756 A 19910506; NZ 23804591 A 19910503; PT 9757291 A 19910506; ZA 913414 A 19910506