

Title (en)

Method for improving the bleach resistance of dyed textile fiber and product made thereby.

Title (de)

Verfahren zur Verbesserung der Bleichbeständigkeit von gefärbten Textilfasern und daraus hergestelltes Produkt.

Title (fr)

Procédé pour améliorer la résistance au blanchiment de fibres textiles teintées et produit réalisé à partir de ces fibres.

Publication

**EP 0612880 A1 19940831 (EN)**

Application

**EP 94301334 A 19940224**

Priority

US 2191293 A 19930224

Abstract (en)

A process for protecting a dyed textile fiber from decolorization caused by exposure to bleach, and improving colorfastness is provided by applying an aqueous solution of non-volatile, polymeric salt forming monomers, such as hexamethylenediamine and adipic acid, to the textile fiber followed by drying the fiber to polymerize the monomers and form a non-volatile, polymeric salt film thereon. The process is especially suitable for treating dyed polyamide fiber used in floor covering products.

IPC 1-7

**D06P 1/52**; **D06M 15/59**; **D06P 5/06**; **D06P 5/08**

IPC 8 full level

**D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 15/59** (2006.01); **D06M 15/61** (2006.01); **D06P 1/52** (2006.01); **D06P 1/642** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/32** (2006.01); **D06M 101/34** (2006.01)

CPC (source: EP KR)

**D06M 13/332** (2013.01 - KR); **D06M 15/59** (2013.01 - EP); **D06P 1/5278** (2013.01 - EP); **D06P 1/6426** (2013.01 - EP)

Citation (search report)

- [X] FR 865151 A 19410515 - DU PONT
- [A] EP 0133933 A2 19850313 - CASSELLA FARBWERKE MAINKUR AG [DE]
- [A] EP 0431423 A2 19910612 - BAYER AG [DE]
- [A] DE 3537458 A1 19870423 - BASF AG [DE]
- [A] DE 3330120 A1 19840301 - SANDOZ AG [DE]
- [X] DATABASE WPI Week 8631, Derwent World Patents Index; AN 86-200826
- [A] DATABASE WPI Week 8949, Derwent World Patents Index; AN 89-361950

Cited by

WO0131115A3; WO2008136879A1; EP1618238B2

Designated contracting state (EPC)

AT BE DE DK FR GB IT NL

DOCDB simple family (publication)

**EP 0612880 A1 19940831**; **EP 0612880 B1 19980930**; AT E171739 T1 19981015; AU 5634894 A 19940901; AU 672080 B2 19960919; CA 2116299 A1 19940825; DE 69413577 D1 19981105; DE 69413577 T2 19990602; DK 0612880 T3 19990621; JP 3828162 B2 20061004; JP H06280168 A 19941004; KR 100260239 B1 20000701; KR 940019917 A 19940915; MX 9401412 A 19940831; NZ 250969 A 19950427

DOCDB simple family (application)

**EP 94301334 A 19940224**; AT 94301334 T 19940224; AU 5634894 A 19940224; CA 2116299 A 19940223; DE 69413577 T 19940224; DK 94301334 T 19940224; JP 2701894 A 19940224; KR 19940003602 A 19940224; MX 9401412 A 19940224; NZ 25096994 A 19940224