

Title (en)

Aqueous storage-stable auxiliary textile agent resistant to hard water.

Title (de)

Lagerstabiles, hartwasserbeständiges, wässriges Textilhilfsmittel.

Title (fr)

Adjuvant textile aqueux, stable au stockage et à l'eau dure.

Publication

**EP 0274350 A1 19880713 (DE)**

Application

**EP 87810711 A 19871202**

Priority

- CH 291487 A 19870730
- CH 488686 A 19861208

Abstract (en)

[origin: US4844710A] Aqueous textile assistants of high storage stability and hard water resistance comprising at least (a) a partial phosphoric ester, (b) a nonionic surfactant, (c) an anionic surfactant and (d) an alkali metal hydroxide. They can be used for wetting and deaerating fibre materials.

Abstract (de)

Lagerstabile, hartwasserbständige, wässrige Textilhilfsmittel enthaltend mindestens (a) einen Phosphorsäureteilester, (b) ein nicht-ionogenes Tensid, (c) ein anionisches Tensid und (d) ein Alkalimetallhydroxid. Sie können zum Netzen und Entlüften von Fasermaterialien verwendet werden.

IPC 1-7

**D06M 1/08**; **D06L 1/14**

IPC 8 full level

**D06L 1/12** (2006.01); **D06L 1/14** (2006.01); **D06M 11/38** (2006.01); **D06M 13/292** (2006.01)

CPC (source: EP KR US)

**D06L 1/12** (2013.01 - EP US); **D06L 1/14** (2013.01 - EP US); **D06M 11/38** (2013.01 - EP US); **D06M 13/10** (2013.01 - KR); **D06M 13/292** (2013.01 - EP US)

Citation (search report)

- [X] US 4106901 A 19780815 - BISHOP BRUCE J, et al
- [X] EP 0102930 A1 19840314 - CIBA GEIGY AG [CH]
- [X] DE 3230101 A1 19830310 - SANDOZ AG [DE]
- [A] DE 2164235 A1 19730628 - HOECHST AG
- [A] BE 698817 A 19671103
- [A] DE 2659705 A1 19780706 - HUELS FASERWERKE
- [A] DE 730015 C 19430106 - SANDOZ AG
- [A] GB 1445716 A 19760811 - DIVERSEY LTD

Cited by

EP0420802A3; DE102004042738A1; US5741783A; EP0716180A1; US5709810A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0274350 A1 19880713**; **EP 0274350 B1 19920401**; BR 8706579 A 19880712; CA 1340335 C 19990126; DE 3777990 D1 19920507; ES 2030759 T3 19921116; KR 880007851 A 19880829; US 4844710 A 19890704

DOCDB simple family (application)

**EP 87810711 A 19871202**; BR 8706579 A 19871207; CA 553507 A 19871204; DE 3777990 T 19871202; ES 87810711 T 19871202; KR 870013919 A 19871207; US 12697987 A 19871130