

Title (en)

AQUEOUS STORAGE-STABLE AUXILIARY TEXTILE AGENT RESISTANT TO HARD WATER

Publication

**EP 0274350 B1 19920401 (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.

IPC 1-7

**D06L 1/14**; **D06M 11/38**

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)

Cited by

EP0420802A3; DE102004042738A1; US5741783A; EP0716180A1; US5709810A

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

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