

Title (en)
STABLE AQUEOUS FORMULATIONS OF STILBENE BRIGHTENERS

Publication
EP 0032483 B1 19840222 (DE)

Application
EP 81810007 A 19810108

Priority
CH 26580 A 19800114

Abstract (en)
[origin: ES8205902A1] The invention relates to formulations which are stable to metal ions and contain a stilbene fluorescent whitening agent which is substituted by sulfo groups, and an acid phosphoric acid ester of an oxyalkylated fatty amine of the formula < IMAGE > wherein R is an aliphatic hydrocarbon radical of 8 to 22 carbon atoms, Y1 and Y2 are preferably hydrogen, X is the acid radical of phosphoric acid and the sum of n+m is 2 to 30, preferably 4 to 20. The formulations can additionally contain various assistants such as non-ionic or anionic surfactants and/or organic solvents or polar compounds. The formulations are used for whitening natural and synthetic fabrics, e.g. made from polyamide, cellulose and blended fabrics, as well as paper.

IPC 1-7
D06L 3/12; **D21H 3/80**; **B01F 17/14**

IPC 8 full level
D06L 3/12 (2006.01); **D21H 21/30** (2006.01)

CPC (source: EP US)
D06L 4/664 (2016.12 - EP US); **D21H 21/30** (2013.01 - EP US)

Cited by
GB2294708B; EP0712960A1; US5830241A; EP0463357A1; US5177255A; US8821688B2; USRE46913E; EP4332175A1; WO2024046735A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0032483 A2 19810722; **EP 0032483 A3 19820217**; **EP 0032483 B1 19840222**; AU 6617681 A 19810723; BR 8100170 A 19810728; CA 1156403 A 19831108; DD 157267 A5 19821027; DE 3162329 D1 19840329; ES 498460 A0 19820701; ES 8205902 A1 19820701; GR 73165 B 19840214; JP S56104970 A 19810821; PT 72350 A 19810201; PT 72350 B 19830824; US 4339238 A 19820713; ZA 81200 B 19820127

DOCDB simple family (application)
EP 81810007 A 19810108; AU 6617681 A 19810113; BR 8100170 A 19810113; CA 368312 A 19810112; DD 22698581 A 19810114; DE 3162329 T 19810108; ES 498460 A 19810113; GR 810163839 A 19810112; JP 333581 A 19810114; PT 7235081 A 19810113; US 22317381 A 19810107; ZA 81200 A 19810113