

Title (en)

MIXTURES OF OPTICAL BRIGHTENERS AND THEIR USE

Publication

**EP 0023028 B1 19821215 (DE)**

Application

**EP 80104163 A 19800716**

Priority

DE 2929687 A 19790721

Abstract (en)

[origin: ES8105055A1] Mixtures of optical brighteners consisting of 5 to 95 parts by weight of a mixture consisting of 0 to 80% by weight of the compound of the formula 1 < IMAGE > (1) 20 to 100% by weight of the compound of the formula 2 < IMAGE > (2) and 0 to 80% by weight of the compound of the formula 3 < IMAGE > (3) and 95 to 5% by weight of one or more other optical brighteners.

IPC 1-7

**D06L 3/12**

IPC 8 full level

**C09B 57/00** (2006.01); **C09B 67/22** (2006.01); **D06L 3/12** (2006.01); **D06L 4/65** (2017.01); **D06P 1/00** (2006.01); **D06P 3/52** (2006.01)

CPC (source: EP US)

**D06L 4/65** (2016.12 - EP US)

Citation (examination)

"The Chemistry of Synthetic Dyes", Band V, Kapitel VIII, Venkataraman

Cited by

DE3313332A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0023028 A1 19810128; EP 0023028 B1 19821215**; AT E2017 T1 19821215; AU 533417 B2 19831124; AU 6063680 A 19810122; BR 8004478 A 19810127; CA 1151806 A 19830816; DE 2929687 A1 19810212; DE 3061345 D1 19830120; ES 493376 A0 19810516; ES 8105055 A1 19810516; JP H0116867 B2 19890328; JP S5618655 A 19810221; US 4330427 A 19820518; ZA 804365 B 19810729

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**EP 80104163 A 19800716**; AT 80104163 T 19800716; AU 6063680 A 19800718; BR 8004478 A 19800718; CA 356458 A 19800718; DE 2929687 A 19790721; DE 3061345 T 19800716; ES 493376 A 19800715; JP 9769380 A 19800718; US 16929680 A 19800716; ZA 804365 A 19800718