

Title (en)  
MIXTURES OF OPTICAL BRIGHTENERS

Publication  
**EP 0035694 B1 19830831 (DE)**

Application  
**EP 81101345 A 19810225**

Priority  
DE 3008812 A 19800307

Abstract (en)  
[origin: US4400294A] Mixtures of optical brighteners consisting of (a) 1 to 99 weight % of one or several compounds of the formula 1 <IMAGE> (1) (b) 99 to 1 weight % of one or several compounds of the formula 2 <IMAGE> (2) wherein n is 0 or 1, X is oxygen or sulfur, B is a group of the formulae <IMAGE> +TR <IMAGE> and the other substituents are defined as specified in the description.

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)

CPC (source: EP US)  
**D06L 4/65** (2016.12 - EP US)

Citation (examination)  
FR 2390537 A1 19781208 - HOECHST AG [DE]

Cited by  
US5130662A; US6120704A; EP0280652A1; WO9905356A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0035694 A1 19810916; EP 0035694 B1 19830831**; AT E4554 T1 19830915; AU 540524 B2 19841122; AU 6814281 A 19810910; BR 8101322 A 19810908; CA 1154910 A 19831011; DE 3008812 A1 19810924; DE 3160803 D1 19831006; JP H0153303 B2 19891113; JP S56141360 A 19811105; PH 19044 A 19851211; US 4400294 A 19830823; ZA 811513 B 19820331

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**EP 81101345 A 19810225**; AT 81101345 T 19810225; AU 6814281 A 19810306; BR 8101322 A 19810306; CA 372440 A 19810306; DE 3008812 A 19800307; DE 3160803 T 19810225; JP 3140181 A 19810306; PH 25321 A 19810305; US 43994682 A 19821108; ZA 811513 A 19810306