

## Title (en)

Aqueous optical brightener compositions and their use in paper coatings.

## Title (de)

Wässrige Aufhellerpräparate und deren Verwendung im Papierstrich.

## Title (fr)

Compositions aqueuses d'azurants optiques et leur utilisation dans le couchage du papier.

## Publication

**EP 0192600 A1 19860827 (DE)**

## Application

**EP 86810011 A 19860114**

## Priority

DE 3502038 A 19850123

## Abstract (en)

[origin: US4717502A] Aqueous optical brightener compositions consisting essentially of: (a) at least one optical brightener of formula <IMAGE> in which R1 is hydrogen or -SO3M; R2 is hydrogen or -SO3M; R3 is hydrogen, C2-3-hydroxyalkyl, C1-4-alkyl, -CH2-CH2-CN or -CH2-CH2-CONH2; R4 is hydrogen, C1-4-alkyl, C2-3-hydroxyalkyl, hydroxy-ethoxy-ethyl, N,N-Bis-(C1-3-alkyl)-amino-C2-6-alkyl or benzyl; or R3 and R4 together with the neighboring nitrogen atom signify a morpholine, pyrrolidine, piperidine or N-methylpiperazine ring; and M is hydrogen or a colorless cation; provided that at most one of R3 and R4 is hydrogen; (b) polyethylene glycol with an average molecular weight in the range of 1000 to 3000; and (c) water; 10 to 500 parts by weight of component (b) being present per 100 parts by weight of component (a), and component (c) constituting at least 20% of the composition, are storage stable optical brightener compositions, which are eminently suitable for the formulation of aqueous coating compositions especially such in which at least some of the binder is a synthetic latex; with these coating compositions there may be obtained very white coated papers which are optically brightened at least in the coating.

## Abstract (de)

Unter Verwendung von bestimmten optischen Aufhellern und bestimmten Polyäthylenglykolen werden wässrige Aufhellerpräparate hergestellt, die sich hervorragend zum optischen Aufhellen von Papierstrich eignen, besonders wenn die Papierstreichmassen einen synthetischen Latex enthalten und diese Papierstreichmassen zur Herstellung von beschichteten Papieren dienen.

## IPC 1-7

**D21H 1/22**; **D06L 3/12**

## IPC 8 full level

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## Citation (search report)

- [YD] FR 2142054 A1 19730126 - ICI LTD
- [Y] FR 1329353 A 19630607 - GEIGY AG J R
- [Y] FR 2095752 A5 19720211 - ICI LTD

## Cited by

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