

Title (en)

Colour-forming mixture and pressure-sensitive recording material containing this mixture.

Title (de)

Farbbildnergemische und diese Gemische enthaltendes druckempfindliches Aufzeichnungsmaterial.

Title (fr)

Mélange pour le développement de la couleur et matériel pour l'enregistrement sensible à la pression contenant ce mélange.

Publication

EP 0193200 A1 19860903 (DE)

Application

EP 86102602 A 19860228

Priority

DE 3507173 A 19850301

Abstract (en)

[origin: US4717423A] Mixtures of dye precursors which contain (a) the lactone of 2-carboxy-4,4'-bisdimethylaminobenzhydrol (I) and (b) crystal violet lactone and/or one or more fluoran lactones of the formula <IMAGE> (II) where R1 is alkyl, R2 is alkyl, phenalkyl, unsubstituted or substituted phenyl or cycloalkyl, or <IMAGE> is pyrrolidinyl, piperidinyl or morpholinyl, R3 is H or tert.-butyl, R4 is H or methyl, R5 is H, alkyl or phenalkyl and R6 is H, alkyl, phenalkyl, cycloalkyl or unsubstituted or substituted phenyl, or <IMAGE> is pyrrolidinyl, piperidinyl or morpholinyl, possess improved lightfastness in pressure-sensitive recording systems.

Abstract (de)

Farbbildnergemische, die (a) das Lacton des 2-Carboxy-4,4'-bisdimethylaminobenzhydrol (I) und (b) Kristallviolett-lacton und/oder mindestens ein Fluoranlacton der Formel <IMAGE> stehen, zeigen in druckempfindlichen Aufzeichnungssystemen verbesserte Lichtechtheit.

IPC 1-7

B41M 5/12

IPC 8 full level

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CPC (source: EP US)

B41M 5/145 (2013.01 - EP US); **B41M 5/1455** (2013.01 - EP US)

Citation (search report)

- [X] US 3525630 A 19700825 - PHILLIPS PAUL S JR
- [Y] DE 2151113 A1 19720420 - KANZAKI PAPER MFG CO LTD
- [Y] GB 852131 A 19601026 - CARIBONUM LTD
- [YD] CHEMICAL ABSTRACTS, Band 84, Nr. 4, 26. January 1976, Seite 116, Nr. 19192v, Columbus, Ohio, US; & JP - A - 75 124 930 (KANZAKI PAPER MFG. CO., LTD.) 01.10.1975
- [Y] CHEMICAL ABSTRACTS, Band 80, Nr. 10, 11. März 1974, Seite 410, Nr. 65547e, Columbus, Ohio, US; & JP - A - 73 69 615 (MITSUI PETROCHEMICAL INDUSTRIES, LTD.) 21.09.1973
- [Y] CHEMISTRY AND INDUSTRY, Nr. 12, 16. Juni 1973, Seite 583, The Chemical Society, Letchworth, Herts., GB; EN ABRAHART: " Stabilised leuco dyes as colour formers"

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