

Title (en)
Heat-sensitive recording sheet.

Title (de)
Wärmeempfindliches Aufzeichnungsblatt.

Title (fr)
Feuille d'enregistrement sensible à la chaleur.

Publication
EP 0066813 A1 19821215 (DE)

Application
EP 82104725 A 19820528

Priority
JP 8501181 A 19810604

Abstract (en)
[origin: JPS57201691A] PURPOSE:To provide a heat-sensitive recording paper capable of forming a color image stable even upon the adhesion of hair-treating cosmetics, oils, fats and the like, by incorporating benzyl p-benzyloxybenzoate into a color forming layer containing a basic colorless dye and an organic color developer. CONSTITUTION:In a heat-sensitive recording paper 1 provided with a color forming layer comprising a basic colorless dye (e.g. crystal violet lactone) and an organic color developer (e.g. benzyl p-hydroxybenzoate), benzyl p-benzyloxybenzoate is incorporated into the color forming layer. Accordingly, even when hair-treating cosmetics, oils, fats and the like are adhered to the paper 1, degradation of a white texture and lowering of the image density can be prevented. Said benzyl p-benzyloxybenzoate is produced as a bi-product when synthesizing said benzyl p-hydroxybenzoate by bringing a salt of p-hydroxybenzoic acid and benzyl chloride into reaction with each other. Although benzyl p-benzyloxybenzoate has been regarded as undesired and having to be removed by a separating and removing step, the joint use thereof enables to markedly enhance the stability against oily matter.

Abstract (de)
Ein wärmeempfindliches Aufzeichnungsblatt enthält in einer farbbildenden Schicht einen basischen farblosen oder schwach farbigen chromogenen Farbstoff, ein organisches Farbentwicklungsmittel und p-Benzoyloxybenzoesäurebenzylester.

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B41M 5/26

IPC 8 full level
B41M 5/333 (2006.01); **B41M 5/337** (2006.01)

CPC (source: EP US)
B41M 5/3375 (2013.01 - EP US)

Citation (search report)
• [A] GB 1531121 A 19781101 - FUJI PHOTO FILM CO LTD
• [AP] GB 2074335 A 19811028 - JUJO PAPER CO LTD

Cited by
FR2536703A1; EP0407828A3; US5134113A

Designated contracting state (EPC)
DE FR GB

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