Title (en)

Density correction dyes for color negative films with magnetic recording layers

Title (de)

Dichtekorrekturfarbstoffe für Farbnegativfilme mit magnetischen Aufzeichnunsschichten

Title (fr)

Colorants corrigeant la densité pour films négatifs couleur comprenant des couches d'enregistrement magnétiques

Publication

EP 0772081 A2 19970507 (EN)

Application

EP 96420318 A 19961028

Priority

- US 829295 P 19951031
- US 58476296 A 19960111
- US 815795 P 19951031
- US 57451095 A 19951219
- US 698095 P 19951031
- US 58339496 A 19960105

Abstract (en)

The invention provides a multilayer color negative photographic element comprising a support, at least one light-sensitive silver halide emulsion layer sensitive to each of the blue, green and red regions of the visible spectrum, a magnetic recording layer, and a permanent density correction dye, wherein: the spectral absorbance maximum of the density correction dye is in the range of 450-485 nm; the ratio of the absorbance of the density correction dye at 480 nm relative to 420 nm is between 1.2 and 3.5; the ratio of the absorbance of the density correction dye at 440 nm relative to 420 nm is between 1.25 and 2.5; the ratio of the absorbance of the density correction dye at 510 nm relative to 480 nm is less than 0.6; and the density correction dye is uncharged and is free of carboxyl and sulfonate groups. The element exhibits improved color balance permitting it to be satisfactorily processed together with conventional photographic elements to produce viewable color images.

IPC 1-7

G03C 1/83

IPC 8 full level

G03C 7/00 (2006.01); **G03C 1/00** (2006.01); **G03C 1/83** (2006.01); **G03C 7/18** (2006.01); **G03C 7/392** (2006.01); G03C 11/02 (2006.01)

CPC (source: EP)

G03C 1/832 (2013.01); **G03C 7/39216** (2013.01); G03C 11/02 (2013.01)

Cited by

US6057085A

Designated contracting state (EPC)

GB

DOCDB simple family (publication)

EP 0772081 A2 19970507; **EP 0772081 A3 19970820**; **EP 0772081 B1 20030924**; CN 1159610 A 19970917; JP H09166852 A 19970624

DOCDB simple family (application)

EP 96420318 A 19961028; CN 96119245 A 19961031; JP 28853396 A 19961030