

Title (en)

Density correction dyes for color negative films with magnetic recording layers

Title (de)

Dichtekorrekturfarbstoffe für Farbnegativfilme mit magnetischen Aufzeichnungsschichten

Title (fr)

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

Publication

**EP 0772081 B1 20030924 (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)

[origin: EP0772081A2] 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; G03C 7/392**

IPC 8 full level

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