

Title (en)

MAGENTA IMAGE-DYE COUPLERS OF IMPROVED HUE

Title (de)

MAGENTA BILDFARBSTOFF-KUPPLER MIT VERBESSERTEM FARBTON

Title (fr)

COPULANTS A TEINTE AMELIOREE FORMANT DES COLORANTS MAGENTA POUR IMAGES

Publication

EP 0548313 B1 19970716 (EN)

Application

EP 92914038 A 19920423

Priority

- US 9203393 W 19920423
- US 73167191 A 19910717

Abstract (en)

[origin: WO9302392A1] A photographic element and process provide a magenta coupler of formula (I) wherein (a) at least one of X1, X2 and R1 and at least one of R2 and R3 is a substituent individually selected from carbamoyl, alkoxy carbonyl, aryloxy carbonyl, sulfamoyl, alkylsulfonyl, arylsulfonyl, alkoxy sulfonyl, aryloxy sulfonyl, alkylsulfoxyl, arylsulfoxyl, acyloxy, cyano, nitro, and trifluoromethyl; (b) the substituents X1, X2, R1, R2 and R3 not selected from the (a) group may be selected from alkyl, alkoxy, aryloxy, acylamino, alkylthio, arylthio, sulfonamido, alkylureido, arylureido, alkoxy carbonylamino, aryloxy carbonylamino, and halogen and in the case of R3 hydrogen; (c) substituents R1 and R2 are para or meta to the carbon attached to the nitrogen atom; (d) a and b are 1 to 3; (e) Q is an alkylthio or arylthio coupling-off group. The element provides a deeper magenta hue and reduced blue absorption by the resulting magenta dye.

IPC 1-7

G03C 7/384; **G03C 7/305**; **G03C 7/24**

IPC 8 full level

G03C 1/00 (2006.01); **G03C 7/24** (2006.01); **G03C 7/305** (2006.01); **G03C 7/384** (2006.01)

CPC (source: EP)

G03C 7/24 (2013.01); **G03C 7/30517** (2013.01); **G03C 7/384** (2013.01)

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 9302392 A1 19930204; DE 69220905 D1 19970821; DE 69220905 T2 19990121; EP 0548313 A1 19930630; EP 0548313 B1 19970716; JP H06501786 A 19940224

DOCDB simple family (application)

US 9203393 W 19920423; DE 69220905 T 19920423; EP 92914038 A 19920423; JP 50276793 A 19920423