

Title (en)

Use of azo dyes in thermal transfer printing.

Title (de)

Verwendung von Azofarbstoffen für den Thermotransferdruck.

Title (fr)

Utilisation de colorants azoïques pour l'impression par transfert thermique.

Publication

**EP 0462447 B1 19941221 (DE)**

Application

**EP 91109225 A 19910606**

Priority

DE 4019419 A 19900619

Abstract (en)

[origin: EP0462447A1] Use of azo dyes I <IMAGE> for thermal transfer printing, in which the substituents have the following meaning: R<1> is H, amino, hydroxyl or C1-C3-alkyl; R<2> is H, acetyl, carbamoyl or cyano; R<3> is omega -phenoxy-, omega -tolylxy-, omega -benzyloxy- or omega -cyclohexyloxy-C1-C12-alkyl, whose C chain can be interrupted by one or two of the following non-adjacent members -O-, -CO-, -O-CO- or -CO-O- and which can carry one or two of the following substituents: halogen, hydroxyl, C1-C2-alkyl, phenyl or cyclohexyl; R<4>, R<5> are H, halogen, cyano, nitro or trihalomethyl; radicals -CO-H, -CO-R<6>, -O-CO-R<6>, -CO-OR<6>, -SO-OR<6>, -O-SO-OR<6>, -CO-NR<7>R<8>, -O-CO-NR<7>R<8>, -SO2-NR<7>R<8> or -O-SO2-NR<7>R<8> in which R<6> is C1-C12-alkyl, omega -phenoxy-, omega -tolylxy-, omega -benzyloxy- or omega -cyclohexyloxy-C1-C12-alkyl, whose C chain can in each case be interrupted by one or two oxygen atoms in an ether function; R<7> is C1-C12-alkyl; R<8> is H or one of the radicals R<7>.

IPC 1-7

**B41M 5/38**

IPC 8 full level

**B41M 5/035** (2006.01); **B41M 5/26** (2006.01); **B41M 5/30** (2006.01); **B41M 5/385** (2006.01); **B41M 5/388** (2006.01); **B41M 5/39** (2006.01); **D06P 5/13** (2006.01)

CPC (source: EP US)

**B41M 5/388** (2013.01 - EP US); **Y10S 428/913** (2013.01 - EP US); **Y10S 428/914** (2013.01 - EP US)

Citation (examination)

EP 0442466 A1 19910821 - MITSUBISHI CHEM IND [JP]

Cited by

US5929218A

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0462447 A1 19911227**; **EP 0462447 B1 19941221**; DE 4019419 A1 19920102; DE 59103964 D1 19950202; JP H04232781 A 19920821; US 5204312 A 19930420

DOCDB simple family (application)

**EP 91109225 A 19910606**; DE 4019419 A 19900619; DE 59103964 T 19910606; JP 14574291 A 19910618; US 71402191 A 19910612