Title (en)

USE OF ANTHRAQUINONE DYERSTUFFS FOR THERMAL TRANSFER PRINTING

Publication

EP 0490225 B1 19930915 (DE)

Application

EP 91120731 A 19911203

Priority

DE 4039923 A 19901214

Abstract (en)

[origin: EP0490225A1] Use of anthraquinone dyes I <IMAGE> for thermal transfer printing, having the following meaning of the variables: ring A: can carry up to two of the following substituents: chlorine, bromine, hydroxyl, mercapto, amino or C1-C8-alklylamino; R<1> and R<2> denote H, nitro, hydroxyl, mercapto or amino; C1-C20-alkoxy, -alkylthio or -alkylamino, whose C chain can be interrupted by one to four oxygen atoms and can carry the following substituents: C5-C7-cycloalkyl, phenyl or phenoxy, each of which can carry C1-C4-alkyl or -alkoxy as substituents; phenoxy, phenylthio or phenylamino whose phenyl radical can carry C1-C4-alkyl or -alkoxy as substituents; R<3> denotes one of the radicals IIa to IIf <IMAGE> where R<4> denotes H; C1-C20-alkyl or -alkylthio whose C chain can in each case be interrupted by 1 to 4 oxygen atoms in ether function and can carry the following substituents: C5-C7-cycloalkyl, phenyl or phenoxy, each of which can carry C1-C4-alkyl or -alkoxy as substituents; C5-C7-cycloalkyl, -cycloalkylthio or phenyl, each of which can carry C1-C4-alkyl or -alkoxy as substituents; R<5> and R<8> denote H; the alkyl, cycloalkyl or phenyl groups R<4> according to the definition; R<6> and R<7> denote the radicals R<5> or R<8>; alkoxycarbonyl whose C chain can have up to 20 C atoms and can be interrupted by 1 to 4 oxygen atoms in ether function and can carry the following substituents: C5-C7-cycloalkyl, phenyl or phenoxy, each of which can carry C1-C4-alkyl or -alkoxy as substituents; C5-C7-cycloalkoxycarbonyl or phenoxycarbonyl, each of which can carry C1-C4-alkyl or -alkoxy as substituents; X denotes H or cyano.

IPC 1-7

B41M 5/38

IPC 8 full level

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