

Title (en)
Thermal transfer printing.

Title (de)
Thermoübertragungsdruck.

Title (fr)
Impression par transfert thermique.

Publication
EP 0247737 A1 19871202 (EN)

Application
EP 87303831 A 19870429

Priority
GB 8612778 A 19860527

Abstract (en)
A thermal transfer printing sheet, suitable for use in a thermal transfer printing process, especially for the conversion of a digital image into a visible print, comprising a substrate having a coating comprising a dye of the formula: <CHEM> wherein Ring A is unsubstituted or carries, in the 2- or 4-position with respect to the azo link, at least one group selected from -CX₃, X<1>, CN, NO₂, -OCO.Y, -CO.Y, -CO.H, -OSO₂.Y and -SO₂.Y, provided that A is substituted when Z is CH₃ and R is C₂-4-alkyl; X and X<1> are each independently halogen; Y is selected from R<1>, -OR<1>, SR<1> and -NR<1>R<2>; R<1> is selected from C₁-12-alkyl, C₁-12-alkyl interrupted by one or two groups selected from -O-, -CO-, O.CO- and -CO.O-, C₃-7-cycloalkyl, mono- or bi-cyclic aryl and C₁-3-alkylene attached to an adjacent carbon atom on Ring A; R<2> is selected from H, C₁-12-alkyl, C₃-7-cycloalkyl and mono- or bi-cyclic aryl; Z is C₁-12-alkyl or phenyl; and R is selected from C₂-12-alkyl unbranched in the alpha-position, C₂-12-alkyl unbranched in alpha-position and interrupted by one or two groups selected from -O-, -CO-, O.CO- and -CO.O-, phenyl, C₁-4-alkylphenyl, biphenyl and biphenyl interrupted by a group selected from -O-, -CO-, O.CO- and -CO.O-, each of which is free from hydrogen atoms capable of intermolecular hydrogen bonding.

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B41M 5/388 (2013.01)

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• [X] GB 2159971 A 19851211 - MITSUBISHI CHEM IND
• [X] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 152 (M-391)[1875], 27th June 1985; & JP-A-60 27 594 (MITSUBISHI KASEI KOGYO K.K.) 12-02-1985

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