

(19)



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(11)

EP 0 788 889 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
08.04.1998 Bulletin 1998/15

(51) Int Cl.⁶: **B41M 5/30**

(43) Date of publication A2:
13.08.1997 Bulletin 1997/33

(21) Application number: **97300278.5**

(22) Date of filing: **17.01.1997**

(84) Designated Contracting States:
BE DE FR GB IT SE

(30) Priority: **06.02.1996 JP 20312/96**

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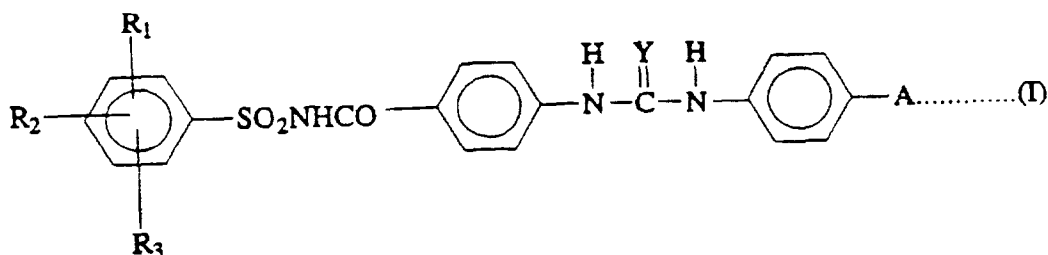
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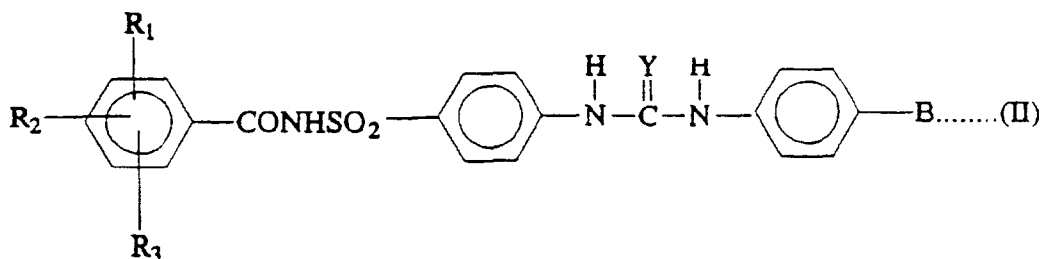
(54) **A thermal sensitive recording sheet**

(57) A thermally sensitive recording sheet which comprises on a substrate, a thermally sensitive colour developing layer comprising:

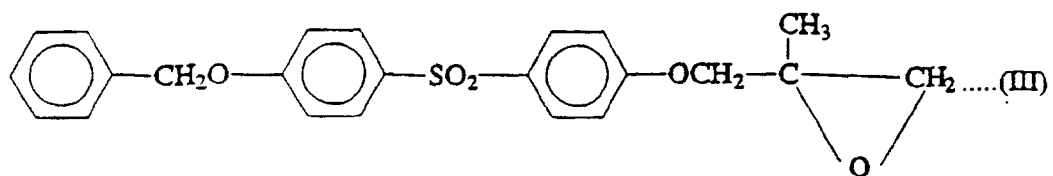
- (a) a colourless or pale coloured basic leuco dye;
- (b) an organic colour developer of formula (I):



wherein A is hydrogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, hydroxy or nitro, each of R₁, R₂ and R₃, which may be the same or different, is hydrogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, hydroxy or nitro, or R₁ and R₂ form, together with the carbon atoms to which they are attached, an aromatic ring, and Y is sulfur or oxygen;
 or an organic colour developer of formula (II):


EP 0 788 889 A3

wherein each of R_1 , R_2 , R_3 and Y represent the same groups as above; and B represents the same groups as A; and (c) 0.01-2 parts, based on 1 part of colour developer of formula (I) or (II), of a stabiliser which is a diphenylsulfone derivative of formula (III):





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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 0278

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	DATABASE WPI Section Ch, Week 9508 Derwent Publications Ltd., London, GB; Class E24, AN 95-057219 XP002050928 & JP 06 336 082 A (OJI PAPER CO) , 6 December 1994 * abstract *	1	B41M5/30
A	CHEMICAL ABSTRACTS, vol. 123, no. 10, 4 September 1995 Columbus, Ohio, US; abstract no. 127697, SHIMIZU, YOSHIHIRO ET AL: "Thermal recording material providing durable image" XP002050927 * abstract * & JP 07 047 772 A (SHINOJI SEISHI KK, JAPAN)	1	
A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 013 (M-1539), 11 January 1994 & JP 05 254247 A (JUJO PAPER CO LTD), 5 October 1993, * abstract *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B41M
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 487 (M-1323), 9 October 1992 & JP 04 179579 A (NIPPON SODA CO LTD), 26 June 1992, * abstract *	1	
A	US 4 507 670 A (MOTOSUGI TAKANORI ET AL) * column 2, line 20 - column 3, line 38 *	1	
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		19 December 1997	Markham, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03/82 (P04C01)



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Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 5 215 570 A (U.BURCKHARDT ET AL.) * column 2, line 9 - column 5, line 28 * * Comp. No. 1.141 * ---	1	
P,A	EP 0 699 662 A (NIPPON PAPER INDUSTRIES CO., LTD.) * page 2, line 16 - page 3, column 57 * * page 8, line 8 - line 10 * * examples * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 December 1997	Examiner Markham, R
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