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(54) **Printing tape and printing-tape cartridge.**

(57) A printing tape (A, B, E, F, G, H) for use with a tape-recording printer (20, 120) having a thermal head (15, 115) which thermally records images on the printing tape, including a heat-sensitive layer (2, 102, 203, 303, 402) containing a heat-sensitive chromogenic material, the heat-sensitive layer producing the images when being heated by the thermal head; and an ultraviolet absorbing layer (1, 101, 201, 302, 401) containing an ultraviolet absorbing agent, the ultraviolet absorbing layer being provided over one of opposite major surfaces of the heat-sensitive layer on a side of incidence of ultraviolet rays to the printing tape in use. A printing tape (J) for use with a tape-recording printer (120), including a heat-sensitive layer (502) containing a heat-sensitive chromogenic material, the heat-sensitive layer producing images when being heated by a thermal head of a printer, the heat-sensitive layer containing an ultraviolet absorbing agent in addition to the heat-sensitive chromogenic material. A printing-tape cartridge (C, X, Y, Z, Q, S) accommodating a printing tape (A, B, E, F, G, H, J), for use with a tape-recording printer (20, 120), the cartridge including a housing (11, 111, 211, 311, 411, 511); a tape spool (10, 23, 110, 210, 310, 410, 510) disposed inside the housing such that the tape spool is rotatable; and the printing tape being wound around the tape spool.

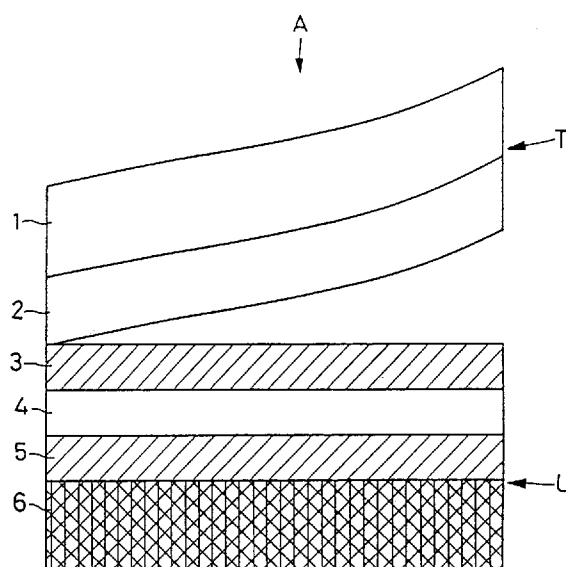


FIG.1



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 93 30 8146

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.5)
X Y	GB-A-2 171 810 (RICOH COMPANY LTD) * page 1, line 22 - page 2, line 20 * ---	1,2,7-11 4-6, 12-20	B41M5/40 B41M5/38 B41J3/407
X	PATENT ABSTRACTS OF JAPAN vol. 9, no. 261 (M-422) 18 October 1985 & JP-A-60 107 388 (RICOH K.K.) 12 June 1985 * abstract * ---	1,3	
Y	WO-A-92 14615 (NASHUA CORPORATION) * page 1 - page 7; figure 1 * ---	4-6,12, 13	
Y	PATENT ABSTRACTS OF JAPAN vol. 14, no. 339 (M-1001) 23 July 1990 & JP-A-02 117 883 (KANZAKI PAPER MFG CO LTD) 2 May 1990 * abstract * ---	4-6,12, 13	
Y	EP-A-0 410 259 (KROY INC.) * column 1, line 8 - line 20 * * column 5, line 5 - line 31 * * column 7, line 3 - line 13 * -----	14-20	TECHNICAL FIELDS SEARCHED (Int.Cl.5) B41M B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 March 1995	Examiner Balsters, E
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			

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