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Light-fixable heat-sensitive recording material.

A light-fixable heat-sensitive recording material has a layer of a diazonium salt component and a coupler capable of reacting with the diazonium salt component to form color wherein the diazonium salt component comprises at least two diazonium salts, one having a maximum light absorption wavelength of 410 ± 10 nm and the other having a maximum light absorption wavelength of 385 ± 10 nm, preferably in a respective ratio by weight of 9:1 to 1:9.

The salt or coupler is preferably microencapsulated in a wall which becomes permeable when heated.

The layer preferably includes a basic substance which accelerates coloration, and/or a sensitizer; there may be also an overcoat layer and/or a backing layer.

The material is locally thermally heated by a thermal head and overall exposed to fix it, to give an image of high density on a white ground.

EP 0 284 378 A3



EP 88 30 2579

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.4)
X	DE-B-1106171 (R. LANDAU) * claims * ---	1-6	G03C1/52 G03C5/18 B41M5/26
X	FR-A-676317 (C. EMDE) * abstract 2d * ---	1-6	
X	DE-C-903652 (R. FRANKE) * the whole document * ---	1	
X	FR-A-1556458 (IBM) * abstract * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G03C B41M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08 JUNE 1990	Examiner RASSCHAERT A.
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	