

Title (en)

Imaging medium with reduced dye diffusion.

Title (de)

Aufzeichnungsmittel mit verringerter Farbstoffdiffusion.

Title (fr)

Matériau de formation d'images à diffusion de colorant réduite.

Publication

EP 0512476 A1 19921111 (EN)

Application

EP 92107576 A 19920505

Priority

US 69619691 A 19910506

Abstract (en)

An imaging medium comprises a color-forming layer comprising a color-forming composition adapted to undergo a change of color upon exposure to actinic radiation, the color-forming composition being dispersed in a first polymer having a glass transition temperature of at least 50 DEG C; and at least one diffusion-reducing layer in contact with one face of the color-forming layer, the or each diffusion-reducing layer comprising a second polymer, having a glass transition temperature of at least 50 DEG C, and being essentially free from the color-forming composition. Post-imaging diffusion of the colored materials formed during imaging is reduced by the use of the high glass transition temperature polymer in the color-forming layer and the provision of the diffusion-reducing layer(s), so that the images formed are stable upon storage. <IMAGE>

IPC 1-7

B41M 5/28; **B41M 5/40**

IPC 8 full level

B41M 5/28 (2006.01); **B41M 5/30** (2006.01); **B41M 5/323** (2006.01); **B41M 5/44** (2006.01); **B41M 5/46** (2006.01); **G03C 1/76** (2006.01); **G03C 8/44** (2006.01); **G03C 8/50** (2006.01)

CPC (source: EP)

B41M 5/305 (2013.01); **B41M 5/44** (2013.01)

Citation (search report)

- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 21 (M-661)(2868) 22 January 1988 & JP-A-62 179 985 (OJI PAPER K.K.) 7 August 1987
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 123 (M-581)(2570) 17 April 1987 & JP-A-61 263 795 (CANON K.K.) 21 November 1986
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 249 (M-338)(1686) 15 November 1984 & JP-A-59 124 890 (KONISHIROKU SHASHIN KOGYO K.K.) 19 July 1984
- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 210 (M-166)(1088) 22 October 1982 & JP-A-57 116 692 (RICOH K.K.) 20 July 1982

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