

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 B1 19950712 (EN)

Application
EP 92107576 A 19920505

Priority
US 69619691 A 19910506

Abstract (en)
[origin: EP0512476A1] 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 5/40; **B41M 5/28**

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)

Cited by
EP0663301A1; US9045654B2

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0512476 A1 19921111; **EP 0512476 B1 19950712**; CA 2068024 A1 19921107; DE 69203381 D1 19950817; DE 69203381 T2 19951207; JP H05127336 A 19930525

DOCDB simple family (application)
EP 92107576 A 19920505; CA 2068024 A 19920505; DE 69203381 T 19920505; JP 11262092 A 19920501