

Title (en)
HEAT-SENSITIVE RECORDING MATERIAL

Publication
EP 0262953 A3 19890906 (EN)

Application
EP 87308670 A 19870930

Priority
JP 23576586 A 19861003

Abstract (en)
[origin: EP0262953A2] A transparent support (e.g. of a polyester film) of thickness 20-200 μm , is coated on one side in amount of 0.01-5 g/m² with a matting layer containing an ester resin which is solubilized in an organic solvent (e.g. a polyester resin), and particles of size 0.01-5 μm of organic and/or organic particles (e.g. silica or polyacrylonitrile). The other side can be activated and is coated in order with (a) an underlayer (e.g. gelatin), (b) a heat-sensitive recording layer containing a diazo compound and a coupling component, preferably one of these being microencapsulated, and optionally additives to improve color formation, and/or a heat-fusible substance, and (c) an overcoating layer which is preferably hardened and may contain white pigment or a dye. The resultant heat-sensitive material is subjected to recording through layer (c) from a thermal head and the image is viewed in reverse through the support. With a pencil writing can be performed on the matt surface.

IPC 1-7
B41M 5/26

IPC 8 full level
B41M 5/382 (2006.01); **B41M 5/28** (2006.01); **B41M 5/30** (2006.01); **B41M 5/40** (2006.01); **B41M 5/41** (2006.01); **G03C 1/52** (2006.01)

CPC (source: EP)
G03C 1/52 (2013.01)

Citation (search report)
• [X] FR 1258457 A 19610414 - KALLE AG
• [X] GB 2166558 A 19860508 - FUJI PHOTO FILM CO LTD
• [A] EP 0100227 A2 19840208 - MINNESOTA MINING & MFG [US]
• [A] US 3627563 A 19711214 - BOLLEN ROMAIN HENRI, et al
• [X] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 132 (M-385)[1855], 7th June 1985; & JP-A-60 015 193 (PILOT PEN K.K.) 25-01-1985
• [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 45 (M-118)[923], 20th March 1982; & JP-A-56 159 198 (DAINIPPON INSATSU K.K.) 08-12-1981

Cited by
KR20170104507A; US5783380A; US10226957B2

Designated contracting state (EPC)
DE ES FR GB

DOCDB simple family (publication)
EP 0262953 A2 19880406; EP 0262953 A3 19890906; JP H0688453 B2 19941109; JP S6389382 A 19880420

DOCDB simple family (application)
EP 87308670 A 19870930; JP 23576586 A 19861003