

Title (en)
Heat-sensitive recording material

Title (de)
Wärmeempfindliches Aufzeichnungsmaterial

Title (fr)
Matériau d'enregistrement sensible à la chaleur

Publication
EP 0704317 B1 19980408 (EN)

Application
EP 94115223 A 19940927

Priority
EP 94115223 A 19940927

Abstract (en)
[origin: EP0704317A1] A heat-sensitive recording material with a heat-sensitive recording layer comprising a modified polyvinyl alcohol containing 2.5 to 8 mole % of a carboxyl group-containing monomer units and having a degree of saponification of 40 to 65 mole % and a viscosity average degree of polymerization of 50 to 500; a dispersing agent comprising the above modified polyvinyl alcohol for heat-sensitive dyes or color developing agents that can make the heat-sensitive dyes form color upon heating; and a process for producing aqueous dispersions which comprises dispersing a heat-sensitive dye or a color developing agent that can make the heat-sensitive dye form color upon heating, in an aqueous medium with a dispersing agent of the above modified polyvinyl alcohol. The aqueous dispersion obtained, having excellent applicability to the surface of the base paper upon preparation of heat-sensitive recording papers and containing dispersoids of a heat-sensitive dye and a color developing agent dispersed in fine particles, can produce heat-sensitive recording materials having markedly high resolution.

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