

Title (en)
Heat-sensitive recording material

Title (de)
Wärmeempfindliches Aufzeichnungsmaterial

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

Publication
EP 0704317 A1 19960403 (EN)

Application
EP 94115223 A 19940927

Priority
EP 94115223 A 19940927

Abstract (en)
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.

IPC 1-7
B41M 5/30

IPC 8 full level
B41M 5/333 (2006.01)

CPC (source: EP)
B41M 5/3331 (2013.01)

Citation (search report)

- [X] DATABASE WPI Section Ch Week 8923, Derwent World Patents Index; Class A97, AN 89-169780
- [X] DATABASE WPI Section Ch Week 8835, Derwent World Patents Index; Class A97, AN 88-244995
- [A] DATABASE WPI Section Ch Week 8444, Derwent World Patents Index; Class A89, AN 84-272013
- [A] DATABASE WPI Section Ch Week 8725, Derwent World Patents Index; Class A89, AN 87-174335
- [E] DATABASE WPI Section Ch Week 9445, Derwent World Patents Index; Class A14, AN 94-363286

Designated contracting state (EPC)
DE ES FR GB

DOCDB simple family (publication)
EP 0704317 A1 19960403; EP 0704317 B1 19980408; DE 69409522 D1 19980514; DE 69409522 T2 19981015

DOCDB simple family (application)
EP 94115223 A 19940927; DE 69409522 T 19940927