

Title (en)
Paper coating agent

Title (de)
Papierbeschichtungsmittel

Title (fr)
Agent pour le couchage du papier

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Abstract (en)
Disclosed herein is a paper coating agent which comprises a modified polyvinyl alcohol (A) containing 3 to 15 mol% of ethylene units and an alkali metal ion (B), with the ratio of component (A) to component (B) being 100:0.003 to 100:1 in parts by weight. Disclosed also herein is a heat-sensitive recording material which comprises a coating layer on a substrate, said coating layer comprising a modified polyvinyl alcohol containing 3 to 15 mol% of ethylene units. The paper coating agent of the present invention has such excellent solubility in boiling water that there is not a problem of insoluble matter in an aqueous solution of the coating agent. When applied for a paper surface coating agent, it gives coated paper without discoloration, superior, in surface strength, air barrier properties, and printability. When applied for a paper pigmented coating agent, it gives coated paper without discoloration, superior in water resistance and printability. The heat-sensitive recording material of the present invention is superior in color developing sensitivity, water resistance, oil resistance, plasticizer resistance, and PVC film resistance. Furthermore it is superior in high-speed printability and image resolution, and it can be used in the field, such as facsimile, where high-speed printing is required.

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• [A] EP 0692494 A1 19960117 - KURARAY CO [JP]
• [AD] DATABASE WPI Section Ch Week 9414, Derwent World Patents Index; Class A14, AN 94-114929, XP002011229
• [AD] DATABASE WPI Section Ch Week 8825, Derwent World Patents Index; Class A82, AN 88-173198, XP002011230
• [AD] DATABASE WPI Section Ch Week 8821, Derwent World Patents Index; Class A82, AN 88-143774, XP002011231
• [A] DATABASE WPI Section Ch Week 8912, Derwent World Patents Index; Class A89, AN 89-088802, XP002011232

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