

Title (en)  
Paper coating agent

Title (de)  
Papierbeschichtungsmittel

Title (fr)  
Agent pour le couchage du papier

Publication  
**EP 0799711 B1 19990728 (EN)**

Application  
**EP 96105285 A 19960402**

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Abstract (en)  
[origin: EP0799711A1] 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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