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(54) Title: SIZING COMPOSITION

(57) Abstract

The invention relates to a sizing composition for use in paper making. The composition comprises a thermoplastic resin which softens and flows upon application of heat. Suitable thermoplastic rosins include thermoplastic resins, hydrocarbon resins, polyamides and amide waxes preferably having a dropping point in the range 50 °C to 150 °C. It has been found that the thermoplastic resins of the patent invention can act as sizing agents substantially in the absence of aluminium-based fixing agents. The sizing composition may include other components such as a colloidal polymer, a surfactant, and other agents typically used in paper making. The present invention also relates to use of thermoplastic resins to size paper, methods of making paper and paper products sized with a thermoplastic resin.