

Title (en)

Cationic polymer-modified filler material, process for its preparation and method for its use in papermaking.

Title (de)

Mit kationischem Polymer modifizierter Füllstoff, Verfahren zu seiner Herstellung und seine Verwendung in der Papierherstellung.

Title (fr)

Matériau de remplissage modifié par un polymère cationique, son procédé de préparation et son utilisation pour la fabrication.

Publication

EP 0445953 B1 19950823 (EN)

Application

EP 91301574 A 19910227

Priority

US 49090990 A 19900308

Abstract (en)

[origin: EP0445953A1] Material, such as natural ground and precipitated calcium carbonate, when modified by surface-treatment with a cationic polymer, has been discovered to be highly effective as a filler material in the making of paper. Utilization of this type of filler material greatly improves the papermaking process by reducing the usage of wet end sizing agent, improving opacity, improving filler retention in the furnish, and causing better drainage on the papermachine, all of which result in the production of a high quality paper having excellent opacity and tensile strength characteristics. The nature of the polymer-modified filler material, the process for its preparation and the method of its use in papermaking are disclosed.

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CPC (source: EP KR)

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Cited by

US5876562A; US5972100A; EP0878493A1; EP0564994A1; US5433776A; US6184302B1; WO9532335A1; WO2007051766A1; WO03074786A3; WO9219685A1; WO9730219A1; WO9624721A1

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