

Title (en)

AQUEOUS SILICA-CONTAINING COMPOSITION AND PROCESS FOR PRODUCTION OF PAPER

Title (de)

WÄSSRIGE SILICIUM ENTHALTENDE ZUSAMMENSETZUNG UND VERFAHREN ZUR HERSTELLUNG VON PAPIER

Title (fr)

COMPOSITION A BASE DE SILICE AQUEUSE ET PROCEDE DE FABRICATION DE PAPIER

Publication

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Application

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Abstract (en)

[origin: WO03056100A1] The present invention refers to a process for the production of paper from a suspension containing cellulosic fibres, and optionally fillers, comprising adding to the suspension at least one cationic organic polymer and an aqueous silica-containing composition comprising an anionic naphthalene sulphonate formaldehyde condensate and anionic silica-based particles, the composition having a weight ratio of naphthalene sulphonate formaldehyde condensate to silica-based particles within the range of from 0.2:1 to 99:1, and containing naphthalene sulphonate formaldehyde condensate and silica-based particles in an amount of at least 0.01 % by weight, based on the total weight of the aqueous silica-containing composition, and with the proviso that the composition contains substantially no cellulose-reactive sizing agent. The invention also encompasses an aqueous silica-containing composition and a method for preparation of an aqueous silica-containing composition.

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