

Title (en)

METHOD FOR SURFACE SIZING PAPER WITH 2-OXETANONE AND ROSIN AND PAPER PREPARED THEREBY

Title (de)

VERFAHREN ZUR OBERFLÄCHENLEIMUNG VON PAPIER MIT 2-OXETANON UND KOLOPHONIUM UND SO HERGESTELLTES PAPIER

Title (fr)

PROCEDE DE COUCHAGE DE PAPIER A L'AIDE DE 2-OXETANONE ET DE COLOPHANE ET PAPIER AINSI PREPARE

Publication

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Application

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Abstract (en)

[origin: WO9916975A1] There is disclosed a method for sizing paper by adding to the surface of the paper a sizing composition comprising a rosin and a 2-oxetanone. The sized paper performs better in ink jet printing than does paper that is the same except that the size composition contains only rosin or only 2-oxetanone, when the printing is evaluated for at least one property selected from the group consisting of optical density, feathering, wicking, edge roughness and bleed. The sized paper also has higher toner adhesion, a higher coefficient of friction and a lower coefficient of friction bandwidth than does paper that is the same except that the size composition contains only 2-oxetanone. The paper is also capable of performing effectively in tests that measure its convertibility on state-of-the-art converting equipment and its performance on high speed end-use machinery.

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