

Title (en)

PAPERS PROVIDING GREAT FAT AND OIL PENETRATION RESISTANCE, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

PAPIERE MIT HOHEM DURCHDRINGUNGSWIDERSTAND GEGEN FETTE UND ÖLE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

PAPIERS AYANT UNE RESISTANCE ELEVEE A LA PENETRATION DE GRAISSES ET D'HUILES, ET PROCEDE POUR LES PRODUIRE

Publication

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Application

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Abstract (en)

[origin: WO2005095710A1] Different papers known in prior art develop only moderate resistance to fats or contain fluorocarbon compounds or chromium complexes in the mass or in an impregnating liquor in order to develop great fat and oil penetration resistance. Said fluoride or chromium compounds represent substances that are known to be or at least seriously suspected of being unhealthy. Hence, the aim of the invention is to create a paper that is free from unhealthy components while being provided with great fat and oil penetration resistance, being easy to print, and being recyclable. Said aim is achieved by obtaining great fat and oil penetration resistance by using a paper that is made of thoroughly ground fiber materials and is glued with alkenyl succinic anhydride in the mass during impregnation inside or outside the papermaking machine with an impregnating liquor containing polyvinyl alcohols, ethylene-vinyl alcohol copolymers, polyvinyl butyrals, carboxymethylcellulose, gelatin, alginates, galactoglucomannans, and/or starch derivatives, polyvinyl alcohol and gelatine being preferred.

IPC 8 full level

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