

Title (en)  
METHOD FOR PREPARING PAPER HAVING TRANSPARENT PORTIONS, AND PAPER HAVING TRANSPARENT PORTIONS PREPARED USING SAID METHOD

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON PAPIER MIT TRANSPARENTEN BEREICHEN UND MIT DIESEM VERFAHREN HERGESTELLTES PAPIER MIT TRANSPARENTEN BEREICHEN

Title (fr)  
PROCÉDÉ DE FABRICATION DE PAPIER AVEC DES SECTIONS TRANSPARENTES, ET PAPIER AVEC DES SECTIONS TRANSPARENTES FABRIQUÉ SELON CE PROCÉDÉ

Publication  
**EP 3178659 B1 20190724 (EN)**

Application  
**EP 15829700 A 20150729**

Priority  
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Abstract (en)  
[origin: EP3178659A2] The invention relates to the pulp and paper industry, and specifically to the manufacture of paper for producing banknotes, checks, passports, identity cards, and other documents requiring counterfeit protection. The method includes locally impregnating portions of paper, said portions having certain shapes, using a solution of compounds with epoxy groups in the presence of a curing agent. According to the invention, the compounds with epoxy groups may be glycidyl ethers of monohydric and polyhydric alcohols having a dynamic viscosity at a temperature of 25°C of no more than 150 mPa.s. The technical result consists in producing transparent portions on paper without forming, on the surface of the paper, hard films which would hinder a subsequent printing process.

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