

Title (en)  
ABSORBENT PAPER SHEET MARKED WITH PATTERN SIMULATING WATERMARK, METHOD AND DEVICE FOR THE MARKING THEREOF

Title (de)  
MIT EINEM WASSERZEICHENÄHNLICHEN MUSTER VERSEHENES SAUGFÄHIGES PAPIER, VERFAHREN UND VORRICHTUNG ZUM VERSEHEN DES PAPIERS MIT MUSTERN

Title (fr)  
TISSU-PAPIER MARQUE D'UNE EMPREINTE SIMULANT UN FILIGRANE ET PROCEDE ET DISPOSITIF DE FABRICATION ASSOCIES

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Application  
**EP 96938411 A 19961129**

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Abstract (en)  
[origin: WO9720107A1] The present invention relates to a tissue paper sheet (1) comprising one or more plies (6, 7), each having a basis weight of approximately 12 to approximately 70g/m and a part of the surface of which is marked. According to the invention, the surface part is marked by an impressed pattern (5, 5') simulating a watermark, the impression being applied to one side of the sheet (1), the opposite side corresponding to said impression being plane, the marked surface being smooth, glossy and translucent, and the marked surface comprising at least one marked unit region wherein the ratio of the thickness thereof to the area thereof is less than 0,027. The present invention applies to the manufacture of tissue paper sheets and of disposable decorative handkerchiefs.

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Cited by  
US2014349056A1; GB2565694A; GB2565694B; GB2564819A; GB2564819B; GB2564820A; GB2564820B; AU2017262480B2; US8383223B2; US8944075B2; US8309194B2; US10280567B2; WO2017196519A1; WO2017196517A1; WO2017196516A1; WO2013191741A1; US9227428B2; US8182907B2; US9643376B2; US9854832B2; EP0977661B1

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