

Title (en)
THERMAL SUBLIMATION PAPER, METHOD FOR THE PRODUCTION THEREOF AND USE THEREOF

Title (de)
THERMOSUBLIMATIONSPIAPIER, VERFAHREN ZU SEINER HERSTELLUNG UND SEINE VERWENDUNG

Title (fr)
PAPIER DE THERMOSUBLIMATION, SON PROCÉDÉ DE PRODUCTION ET SON UTILISATION

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Abstract (en)
[origin: WO2016074671A2] The invention relates to a thermal sublimation paper which can be printed with inks containing a sublimatable dye, in particular ink-jet inks, in which paper a hydrophilic thermal transfer layer to be printed is formed on a porous base paper. Thermoplastic particles with an average particle size of between 0.3 and 5 µm and a melting point of between 35°C and 190°C are present in the thermal transfer layer. This thermal sublimation paper can be advantageously produced as follows: an aqueous coating slip is applied to a porous base paper having a Cobb value of between 55 and 150 g/m², in particular between 70 and 150 g/m², in a paper-making or coating machine, online or offline, said aqueous coating slip containing thermoplastic particles and constituents suitable for forming a hydrophilic thermal transfer layer, and a drying step is subsequently carried out in order to obtain the thermal sublimation paper. The thermal sublimation paper can be used advantageously to print flat materials, in particular films and textiles.

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