

Title (en)

Stencil sheet and method for perforating the same

Title (de)

Druckschablonenblatt und Verfahren zum perforieren deselben

Title (fr)

Feuille stencile et procédé pour sa perforation

Publication

EP 0985545 A1 20000315 (EN)

Application

EP 99117651 A 19990907

Priority

JP 25698298 A 19980910

Abstract (en)

Provided is a stencil sheet excellent in uniformity in solid print portion, improved in uneven density and setoff, and further excellent in resolution of small letters. A method for perforation of the stencil sheet is also provided. The stencil sheet comprises a laminate of a thermoplastic resin film and a porous substrate mainly composed of thermoplastic fibers, which has an average airflow resistance in a range of 0.05-0.15 Kpa.s/m as measured at a perforated part of 20-50 % in opening ratio. The stencil sheet preferably has a wet tensile strength of 200 gf/cm or more. The thermoplastic resin film is preferably a polyester resin film, and the thermoplastic fibers are preferably made of a polyester resin. When perforation is made in a stencil sheet to form many fine openings corresponding to an image to be printed, good image is obtained by carrying out the perforation to give an average airflow resistance of 0.05-0.15 Kpa.s/m at the perforated part of the stencil sheet.

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- [X] GB 2306689 A 19970507 - RICOH KK [JP], et al
- [X] EP 0688681 A1 19951227 - RISO KAGAKU CORP [JP]
- [A] GB 2305943 A 19970423 - CROMPTON J R PLC [GB]
- [A] EP 0496612 A1 19920729 - RISO KAGAKU CORP [JP]

Cited by

EP1321308A3; EP1040938A1; GB2476211A; GB2476211B; US9925759B2; US8915183B2; US6605235B1; US6850310B1; US6326078B1; WO2010034300A3; EP0987124B1

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