

Title (en)
Heat-sensitive stencil sheet

Title (de)
Wärmeempfindliches Druckschablonenblatt

Title (fr)
Feuille stencil sensible à la chaleur

Publication
EP 0985544 A1 20000315 (EN)

Application
EP 99117650 A 19990907

Priority
JP 25698398 A 19980910

Abstract (en)
Provided is a heat-sensitive stencil sheet which is inhibited from deterioration of the resulting printed images caused by heat shrinkage or creasing upon perforation or winding around a printing drum even using an original of high printing ratio, and gives printed images of high quality. This heat-sensitive stencil sheet comprises a laminate of a thermoplastic resin film and a porous substrate mainly composed of thermoplastic fibers, in which said porous substrate has a heat shrinkage percentage of 3.5% or lower at 140 DEG C in at least one direction thereof, as measured in accordance with thermal mechanical analysis (TMA) under measurement conditions of a load of 1.0 gf and a heating rate of 10 DEG C/min. Said film is preferably a polyester film and said thermoplastic fibers are preferably polyester fibers, and these may be hot fusion bonded without using adhesives. Printed images of high quality can be obtained by carrying out perforation and printing with carrying the heat-sensitive stencil sheet in the direction of the heat shrinkage percentage being 3.5% or lower.

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B32B 5/02 (2006.01); **B41N 1/24** (2006.01)

CPC (source: EP)
B41N 1/242 (2013.01); **B41N 1/24** (2013.01)

Citation (search report)
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• [AY] EP 0683061 A1 19951122 - TORAY INDUSTRIES [JP]
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DE FR GB

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