

Title (en)
SCREEN PRINTING STENCIL PRODUCTION

Title (de)
HERSTELLUNG EINER SIEBDRUCKSCHABLONE

Title (fr)
PRODUCTION DE STENCIL SERIGRAPHIQUE

Publication
EP 0996545 B1 20021218 (EN)

Application
EP 97931905 A 19970711

Priority
GB 9701881 W 19970711

Abstract (en)
[origin: WO9902344A1] A screen printing stencil is produced chemically by application of a chemical agent (4) to a carrier (2) having an image-receiving layer (1). The chemical agent (4) is applied dropwise using a computer-controlled ink-jet printer. The carrier is then brought into contact with a stencil-forming agent (6) on a screen printing mesh (5), whereby the chemical agent reacts with the stencil-forming agent to harden the stencil in areas which remain upon subsequent wash-out. The stencil so produced can be used for screen printing in the usual way. In a variant, the chemical agent reacts with the carrier and excess chemical agent remains to react with the stencil-forming agent. A part of the carrier is thereby incorporated into the stencil improving its profile. The method avoids the use of safe light and actinic radiation.

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