

Title (en)
CIRCUIT BOARD PRINTER

Title (de)
LEITERPLATTENDRUCKER

Title (fr)
IMPRIMANTE DE CARTE IMPRIMEE

Publication
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Application
EP 00909454 A 20000306

Priority
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Abstract (en)
[origin: WO0052975A1] A CAD controlled circuit board printer for the in-house production of prototype PCBs. The printer (2) includes pneumatically controlled drilling means (12) for cutting grooves and holes in a substrate (8); a deposition system (10) for filling the grooves and holes with a curable polymeric, conductive ink and an oven for curing the conductive material. A pressing means (16) is also provided for the production of multilayer boards. Substrates are cut and filled with conductive ink which are then cured. For multilayer boards, after lamination by the pressing means, holes are redrilled and refilled to enable the formation of continuous conductive pathways between layers. The printer can be used to provide a single board or multiple boards. Various embodiments of the invention are described.

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