

Title (en)

ONE-STEP ELECTROCHEMICAL IMAGE-FORMING PROCESS FOR REPRODUCTION SHEETS

Publication

**EP 0160920 B1 19900919 (DE)**

Application

**EP 85105257 A 19850430**

Priority

DE 3416867 A 19840508

Abstract (en)

[origin: US4614570A] In a novel process described for the image formation on reproduction layers which are optionally radiation-sensitive, an image is formed on a multi-layered material, which comprises at least one electrically conductive layer and a reproduction layer, by the action of electric current, applied via at least one electrode which can be stylus-shaped, in an aqueous electrolyte solution. Those portions of the layer which correspond to non-image areas are removed by the electrochemical treatment. An electrolyte solution is used, in particular, which has a pH in the range from 2.0 to 10.0 and which contains at least one salt in a concentration ranging from about 0.1 weight percent up to the saturation limit of the particular salt in the solution. The aqueous electrolyte solution may also contain a surfactant in a concentration range of about 0.1 weight percent to 5 weight percent.

IPC 1-7

**B41C 1/10**

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0160979A3; EP0279066A3; EP0352612A1; DE3740079A1; EP0167352A3; DE4137629A1; DE4021662A1; FR2664200A1; US5211113A; DE3825850A1

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