# DEFENSIVE PUBLICATION

## UNITED STATES PATENT OFFICE

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**T870,005**

### PRINTING PLATE PROCESSED BY AN ETCH-BLEACH TECHNIQUE

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**1 Sheet Drawing. 19 Pages Specification**

A photographic element useful to make a lithographic printing plate comprises a support, an oleophilic layer of an organic solvent soluble synthetic resin, and a hardened gelatino silver halide emulsion layer. A printing plate is provided by first developing the exposed element to provide a silver image, which may be either a negative or a direct positive image, in the emulsion layer. The developed portion of the emulsion is then removed by an etch-bleach step and the underlying resin thus exposed is removed by contact with an organic solvent. The remaining portions of the light-sensitive layer are then removed to provide a printing plate having raised oleophilic ink-receptive portions of synthetic resin which correspond to the undeveloped portions of the emulsion.

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FIG. 1

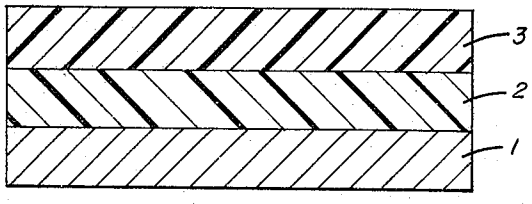



FIG. 2

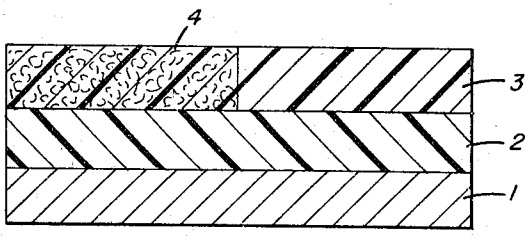



FIG. 3

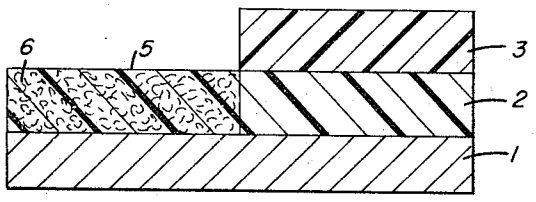



FIG. 4

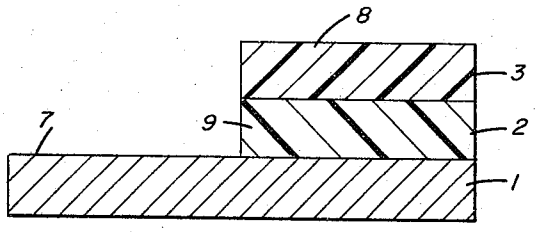
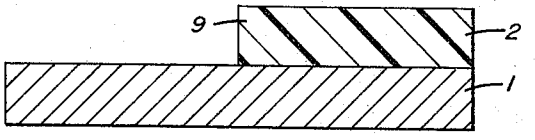



FIG. 5




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