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(54) Title: METHOD AND APPARATUS FOR STEP AND REPEAT EXPOSURES

(57) Abstract

An excimer laser projection ablation system provides less than the necessary amount of illumination to a substrate to completely ablate a structure. The system then moves the substrate a distance less than the image field at the substrate and provides an additional level of illumination. The system continues to move the substrate and provides additional illumination until the structures are fully ablated. The method and system for performing an improved step and repeat process preferably are used to create uniform repeating structures or three-dimensional structures.

