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(54) Title: APPARATUS AND METHOD FOR PRINTING A COLOR FILTER

(57) Abstract

A method and apparatus for making color filters for liquid crystal display panels. A transfer layer is formed on a collector roll, and a raised pattern corresponding to the desired black matrix pattern is formed on the transfer layer by an embossing means. A plurality of colored ink patterns is formed in the appropriate location within the boundaries formed by the raised pattern, thereby forming the multicolor image that will become the color filter. This multicolored image is then transferred to the substrate. Preferably, the multicolored ink pattern is deposited to a substrate while in a deformable state, flattened during the deposition process, and the deformed, more uniform shape of the printed cells is thereafter retained, preferably by curing during deposition to the substrate.

