METHODS AND APPARATUS FOR FABRICATING CONDUCTIVE FEATURES ON GLASS SUBSTRATES USED IN LIQUID CRYSTAL DISPLAYS

ABSTRACT

Methods and systems for defining metal features to be part of a liquid crystal display (LCD) is provided. The method is applied to a glass substrate, and the glass substrate has a blanket conductive metal layer (e.g., a barrier layer) defined on the glass substrate or a layer of the glass substrate. An inverse photoresist mask is applied over the blanket conductive metal layer. A plating meniscus is then formed over the inverse photoresist mask. The plating meniscus contains at least an electrolytic solution and a plating chemistry, where the plating meniscus forms metal features in regions over the blanket conductive metal layer not covered by the inverse photoresist mask.

Fig. 8C