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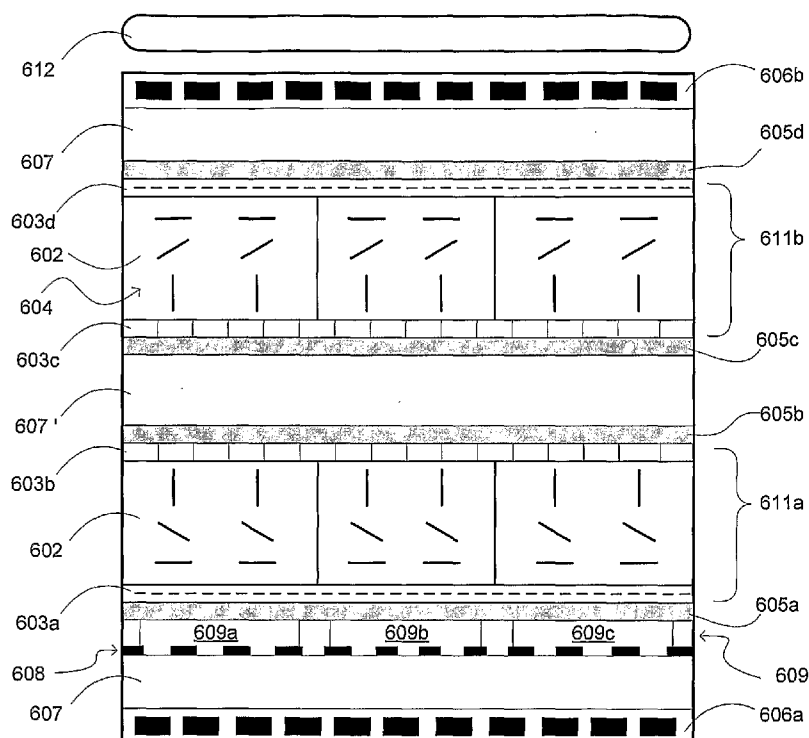
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(54) Title: COMPOSITE DUAL LCD PANEL DISPLAY SUITABLE FOR THREE DIMENSIONAL IMAGING



(57) Abstract: A three-dimensional imaging system and related methods is provided that utilizes a composite transmissive LCD panel. The composite LCD panel contains at least two layers of stacked liquid crystal cells positioned on top of one another relative to the imaging direction, is utilized to display at least two calculated images superimposed over one another at different distances within the panel from the viewer. Each layer of liquid crystal cells create multiple pixels from the cells, which pixels collectively can be operated to form independent images on each liquid crystal layer. The composite LCD panel can be used to create a continuous 3-D image field in a large viewing area or in multiple viewing areas in conjunction with a suitable 3-D image generation system.



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