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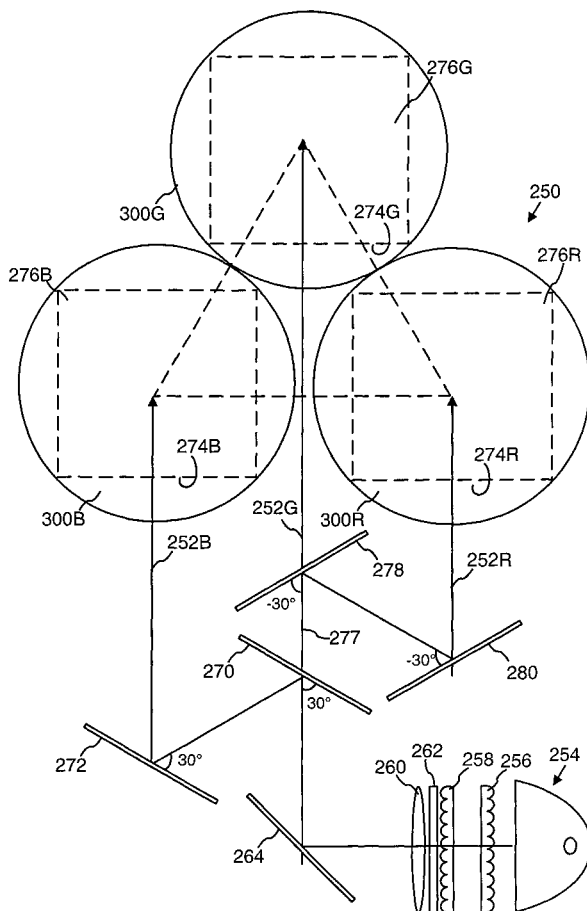
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(54) Title: ELECTRONIC PROJECTOR WITH EQUAL-LENGTH COLOR COMPONENT PATHS



(57) Abstract: An electronic (e.g., LCD) projector (50) combines multiple projection lens assemblies (100R, 100B, 100G) with equal color component optical path lengths (52B) to provide improved display images and a compact arrangement. In one implementation, the projector (50) includes a successive pair of angled dichroic mirrors (70, 78) that fold the red and blue color components of light in opposed directions. The green color component of light (52G) passes through the dichroic mirrors (70, 78) toward a pixelated electronic light modulator, such as a liquid crystal display, and an associated projection lens assembly. The red and blue color components of light (52R, 52B) are each folded again to propagate parallel with the green color component (52G) toward a pixelated electronic light modulator, such as a liquid crystal display, and an associated projection lens assembly. The separate projection lens assemblies (100R, 100B, 100G) are arranged in a non-linear, close-packed arrangement to receive the color components of light (52R, 52B, 52G).



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.