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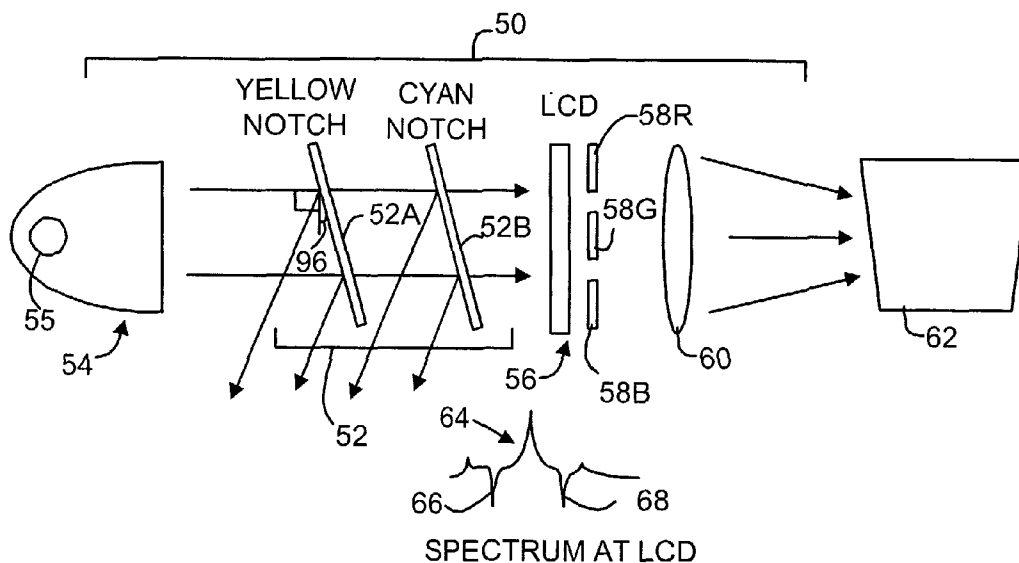
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(54) Title: COLOR PRE-FILTER FOR SINGLE-PANEL PROJECTION DISPLAY SYSTEM



(57) Abstract: A single-panel LCD projection system (50) includes a color prefilter (52) positioned between an illumination system (54) and a multi-color LCD (56). The color prefilter (52) functions to shape the spectrum of illumination provided by the illumination system (54) so as to increase relative panel transmission and to reduce heat absorption by color component filters (58R, 58G, 58B) incorporated in the LCD. The color prefilter (52) is selected to eliminate from or greatly reduce in the illumination light the intensity of certain wavebands that do not materially contribute to generating pure primary colors.



WO 03/058339 A1