

PROJECTING IMAGES

An "extra-folded" projection display system includes a selectively reflective material (e.g., a  
5 linear reflecting polarizer) placed immediately behind the system's imaging screen. The display system includes an image projector that projects an image beam containing light of a predetermined linear polarization toward the imaging screen. The linear reflecting polarizer reflects  
10 the light in the image beam away from the screen. The reflected image beam then encounters a 1/4-wavelength achromatic retarder which converts the linear polarization to circular polarization. The image beam next hits a mirror that reflects the light back through  
15 the 1/4-wavelength achromatic retarder, which converts the circular polarization back to linear polarization, with the polarization director rotated 90° from the original polarization director. The linear reflecting polarizer then allows the light to pass through to the  
20 image screen.

This Sheet Has Been Replaced

