

ABSTRACT

MULTI-LAYER PROJECTION DISPLAYS

A multi-layer projection display including first and second panels separated by a predetermined distance, wherein at least a portion of the first panel overlaps at least a portion of the second panel, and the first panel is disposed between a viewing location and the second panel. The display also includes a controller configured to cause the first and second panels to alternate between substantially opaque and substantially transparent states at a determined frequency, such that the first panel is substantially opaque when the second panel is substantially transparent, and the second panel is substantially opaque when the first panel is substantially transparent. The display further includes a projector configured to project an image onto the first panel when the first panel is substantially opaque, and further configured to project the image onto the second panel when the second panel is substantially opaque.

Fig. 1A



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