

ABSTRACT:

Reflecting image projection screen and image projection system comprising such a screen.

A reflecting image projection screen (1) is described, as well as an image projection system (17) in which such a projection screen (1) is used. Viewed from the front side (3) of the projection screen (1), the image projection screen comprises, in this order, a linear polarizer (9), a $\lambda/4$ plate (11), a reflecting polarizer (13) in the form of a
5 cholesteric filter and a reflecting layer (15) which is also active as a depolarizing diffuser layer. By combining a cholesteric filter (13) with a depolarizing reflecting layer (15), an image projection screen is obtained which is highly reflective to the direction of polarization supplied by the image projector (19) and substantially absorbs the other direction of polarization.

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Fig. 2.

This Sheet Has Been Replaced

