

Title (en)

ANALYZERS FOR TRANSMISSIVE LCD-BASED PROJECTORS

Title (de)

ANALYSATOREN FÜR DURCHLÄSSIGE PROJEKTOREN AUF LCD-BASIS

Title (fr)

ANALYSEURS POUR PROJECTEURS TRANSMISSIFS BASES SUR UN AFFICHAGE A CRISTAUX LIQUIDES

Publication

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Application

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Abstract (en)

[origin: WO2004068200A1] The present invention relates to an imaging optical system for transmissive LCD projection-type video image display devices comprising analyzers (1, 10) as well as to a method for arranging such analyzers (1, 10) in such an imaging optical system. The imaging optical system comprises a light source for emitting illumination light, a transmissive liquid crystal light valve (8), a refractive analyzer device (1) arranged to pass light (6) of a first polarization mode in an imaging path and cause an angular deviation of light (7) of a second polarization mode with respect to said imaging path. The imaging system further comprises a reflective analyzer device (1) along said imaging path, and arranged to pass light (6) of the first polarization mode in said imaging path and reflect deviated light (7) of the second polarization mode out of said imaging path.

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IPC 8 full level

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