

Title (en)
IMAGE DISPLAY SYSTEM USING A THIN-FILM ACTUATED MIRROR ARRAY

Title (de)
BILDDARSTELLUNGSSYSTEM MIT DÜNNSCHICHTSPIEGELMATRIX

Title (fr)
AFFICHEUR D'IMAGES A ENSEMBLE MIROIRS COMMANDES PAR COUCHE MINCE

Publication
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Application
EP 98961659 A 19981222

Priority
KR 9800453 W 19981222

Abstract (en)
[origin: WO0038433A1] In an image display system capable of displaying an M x N number of pixels based on optical projection, a light source (100) emits a white light, the white light being reflected on a total mirror (106) at a predetermined angle. An optical filter (108, 110) splits the white light reflected from the total mirror (106) into a trinity of primary light beams, i.e., a red, green and blue light beam. Each of a trinity of arrays of M x N actuated mirrors (118, 120, 122) generates an optical pixel signal by reflecting the primary light beams impinging thereon, each of the actuated mirrors in the arrays (118, 120, 122) being capable of changing the optical path of the primary light beams reflected therefrom, wherein a driver circuit (130) controls each actuated mirror based on an input image signal. A projection stopper (124) partially transmits the optical pixel signal and a projection screen (128) displays the optical pixel signals passing through the projection stopper (124).

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