ABSTRACT OF THE DISCLOSURE

SYSTEM AND METHOD FOR PROTECTING MICROELECTROMECHANICAL SYSTEMS ARRAY USING BACK-PLATE WITH NON-FLAT PORTION

Disclosed is an electronic device utilizing interferometric modulation and a package of the device. The packaged device includes a substrate 101, an interferometric modulation display array 111 formed on the substrate 101, and a back-plate 130. The back-plate is placed over the display array 111 with a gap 124 between the back-plate and the display array. The depth of the gap may vary across the back-plate. The back-plate can be curved or have a recess on its interior surface facing the display array. Thickness of the back-plate may vary. The device may include reinforcing structures which are integrated with the back-plate.