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(57) Abstract :
“HOLOGRAPHIC DISPLAY WITH WIDE VIEWING ANGLES AND HIGH RESOLUTION” The present invention provides a holographic display with wide viewing angles and high resolution that describes holographic display technology with wide viewing angles and high resolution, utilizing advanced optics and holographic projection techniques to create immersive and realistic 3D visualizations. The display includes a coherent light source, a beam expansion module, and collimation display module, and a processor. The coherent light source provides coherent light. The beam expansion module and collimation display module expand, collimate, and filter the coherent light from the coherent light source to obtain a wide parallel beam with uniform brightness, and irradiate a light modulator group as the reference light. The processor calculates a holographic modulation and transmits said holographic modulation and coding image to be loaded on each light modulator to the image transmission module. Figure 1

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