ABSTRACT

SYSTEM AND METHOD FOR DISPLAYING A TWO-VIEWPOINT AUTOSTEREOSCOPIC IMAGE ONTO AN N-VIEWPOINTS AUTOSTEREOSCOPIC DISPLAY SCREEN AND METHOD FOR CONTROLLING THE DISPLAY ON SUCH A DISPLAY SCREEN

The invention relates to a system and a method of displaying an autostereoscopic image of two viewpoints, each formed of a plurality of strips of subpixels, called image strips, on an autostereoscopic display screen configured to display N viewpoints, N being greater than or equal to 3, the said method comprising a step of detecting the position of a privileged observer relative to the screen; a step of determining, for each eye of the observer, strips of the screen visible by the said eye at the detected position; a step of determining, for each eye of the observer, strips that are not visible by either of the two eyes at the said position; an assignment to the said subpixels, of the visible strips of the screen for each eye, of subpixels corresponding to the image strip of the corresponding eye; an assignment to the said subpixels, of the non-visible strips of the screen, of subpixels corresponding to safety viewpoints constructed from subpixels of the image strips.

Figure for the abstract: figure 5