

ABSTRACT

TILED DISPLAY

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A tiled display includes two supporting plates, two display panels respectively disposed on and connected to the two supporting plates, and a folding structure between the two display panels. Each display panel has an outer black matrix (BM) area and an inner BM area. The folding structure includes a rotation structure rotatably fixed to inner ends of the two supporting plates, and a flexible connecting film respectively connected to the inner BM areas of the display panels. The display panels and the supporting plates rotate around the folding structure such that the tiled display is switched between a first state and a second state. The rotation structure and the supporting plates are disposed on two different sides of the flexible connecting film. In the first state, the two display panels are located on a display plane. In the second state, the two display panels are parallel to each other.

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Fig. 3A