

ABSTRACT

PIXEL ARRANGEMENT AND REFLECTOR STRUCTURE OF LED DISPLAY AND METHOD OF FORMING SAME

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A light emitting diode (LED) display panel includes a back plate and a pixel structure, which includes multiple pixels. Each pixel includes a reflector structure and two LEDs emitting light of a same color, all disposed on the back plate. The reflector structure of each pixel has a first reflective bank structure and a second reflective bank structure. The first reflective bank structure has a first bank opening. The second reflective bank structure has a second bank opening. The two LEDs are disposed within the first and second bank openings. The first bank opening has a first shape, and the second bank opening has a second shape, which is a mirror shape or a 180° symmetrical shape of the first shape. For each of the pixels, the first shape is a polygonal shape, and at least two corners of the first shape have an included angle less than 90°.

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Fig. 3A