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DISPLAY UNIT



G00002

ABSTRACT OF THE DISCLOSURE

A display unit has R, G, and B light-emitting pixels arranged in a predetermined sequence. The R pixels and the B pixels each have a G-light-absorbing filter at the image display side (light output side or external-light incident side) thereof. The G pixels have no filters. The R and B light-emitting pixels each have a composite structure including a reflective layer, an organic EL layer, and a translucent reflective layer. The translucent reflective layer and the reflective layer constitute an optical resonator that causes multiple interference of light. The transmittance of G-light-absorbing filter is minimized at the G wavelength, at which the sensitivity of the naked eye is high, and maximized at the R and B wavelengths. Furthermore, the external light reflectance of each pixel is minimized at the G wavelength. This display unit significantly suppresses a decrease in contrast caused by external light without a decrease in luminance of an image.

Figure 2