

ABSTRACT

DISPLAY UNIT AND ITS MANUFACTURING METHOD

The invention provides a display unit which can improve emission efficiency of lights for image display, and assure luminance of display images. The display unit comprises micro prisms which are arranged in the positions corresponding to organic EL devices, and which have a high refraction index to refract a light, and auxiliary prisms with a low refraction index which are embedded in voids between each micro prism. A light volume of the light viewed as an image in the direction facing an organic EL display (facing direction) is a total of a light volume of a light essentially emitted from the organic EL device in the facing direction, and lights which are directed in the facing direction by utilizing refraction phenomenon based on differences of refraction index between the micro prism and the auxiliary prism. Compared to the case wherein the micro prisms and the auxiliary prisms are not provided, an emission volume of the light in the facing direction is increased by the light volumes of the lights.

FIGURE 1