

ABSTRACT

DISPLAY DEVICE AND ELECTRONIC APPARATUS USING THE SAME

A display device capable of obtaining a bright display is provided.

[Solving means] A polarizer 130 is arranged above an TN liquid crystal 140, and a light-scattering layer 150, a polarized light separator 160, a coloring layer 170, and a reflecting plate 180 are arranged under the TN liquid crystal 140. The polarized light separator 160 transmits a linearly polarized light component of a second direction of light being incident from the upper side, reflects a linearly polarized light component of a third direction perpendicular to the second direction, and can upwardly emit linearly polarized light of the second direction in response to light being incident from the lower side. In a voltage non-applied portion 120, light reflected by the polarized light separator 160 becomes white emission light 122. In a voltage applied portion 110, light transmitted through the polarized light separator 160 is colored by the coloring layer 170 to be color emission light 112.

Fig. 4

This Sheet Has Been Replaced