

EL DISPLAY AND LUMINOUS DIAL USING SAME

Abstract of the Disclosure

To provide an EL display which is simple to manufacture and can produce desired displays with no decrease in luminance.

On a transparent electrode 2 on a transparent substrate 1 there are sequentially laminated a fluorescent layer 3 as an example of a print pattern layer, luminescent layer 4, insulating layer 4 and rear electrode 6. The fluorescent layer 3 is made of fluorescent pigment and fluoride resin binder and this layer is provided at a portion of the EL display which is to emit light and create a display, i.e. positions becoming time indicies. Through a hole 7 there pass an hour hand shaft 8, minute hand shaft 9, and second hand shaft 10 which extend from a timepiece mechanical body (not illustrated) and to which there are respectively secured an hour hand 11, minute hand 12 and second hand 13. Upon application of an electric field, portions of the luminescent layer 4 other than those which corresponds to the time indicias emit lightluminesces with a luminescent color (e.g. bluish-green color) peculiar to the luminescent layer 4, and this luminescent color becomes the ground color of the dial. The time indicia portion where the fluorescent layer 3 exists produces secondary luminescence owing to light given off from the luminescent layer 4 to the fluorescent layer 3, whereby the time indicias emit light luminesce with a bright fluorescent orange color in the ground color brightening with, for example, a bluish-green color.

Figure. 3

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text to be re-drafted
under 150 words