

ABSTRACT

**"METHOD OF FORMING A PHOSPHOR SCREEN
OF A COLOR CATHODE RAY TUBE"**

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A method of forming a phosphor screen of a color cathode ray tube, which comprises the steps of forming a photoresist layer on a glass panel, causing first positions on the photoresist layer to be exposed to light passing through a photomask in a first direction and another light passing through the photomask in a second direction, causing second positions on the photoresist layer to be exposed to light passing through the photomask in a third direction and another light passing through the photomask in a fourth direction, causing third positions on the photoresist layer to be exposed to light passing through the photomask in a fifth direction and another light passing through the photomask in a sixth direction, causing the photoresist layer exposed to the light to be developed and then removing from the glass panel portions of the photoresist layer where light exposure has not reached a predetermined amount to form remaining photoresist portions, applying black material on the remaining photoresist portions and partial areas of the glass panel where the remaining photoresist portion is not present, removing from the glass panel the remaining photoresist portions together with the black material applied thereon to form black portions with the black material remaining on the glass panel, and forming color phosphor portions on partitioned portions of the glass panel between each adjoining pair of the black portions.

Figure 4F