

ABSTRACT OF THE DISCLOSURE

5 A process for coating a front surface of a cathode ray, the
process being characterized by using a ultraviolet ray setting plastic
material as a coating material. According to the process, a preformed
cathode ray tube bulb having a front surface is maintained with the front
surface directed upwards and a transparent, fluidized or molten plastic
10 material of ultraviolet setting property is discharged to the front
surface of the bulb through a plurality of thin nozzles arranged in at
least one row or one or more nozzles each having an elongated nozzle
opening. In this instance, it is preferable that the molten plastic
material discharged from the nozzles is received by a film forming
15 surface which is arranged adjacent to the nozzles to form a thin plastic
film before it reaches the front surface of the bulb. Preferably, the
film forming surface is provided by a sheet of a material, such as a
silicon rubber, which is not wettable to the plastic material. The
plastic material received by the film forming surface is permitted to
20 flow downwards forming a thin substantially uniform film. The cathode ray
tube bulb is moved beneath the film forming surface with the front
surface directed upwards. Thus, the front surface of the bulb is coated
with a thin film of the plastic material. During the process of forming
the coating layer or immediately after the process, ultraviolet ray is
25 applied to the coating layer to set or solidify the plastic material in
the layer.

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