

CATHODE-RAY TUBE FLUORESCENT MATERIAL AND ITS METHOD OF MANUFACTURE

ABSTRACT

Electrolytes are attached to fluorescent particle surfaces to prevent open spots in cathode-ray tube coatings dried at high temperatures. Electrolytes that are sulfates, nitrates, or chlorides of alkali or alkaline-earth metals are added to a liquid suspension of fluorescent particles which have passed through a cleaning step. Electrolytes are added to the suspension to make the conductivity of the clear top liquid greater than $30 \mu \Omega^{-1} \text{cm}^{-1}$. The fluorescent particle preparation process is finished with a final dehydration and drying step.

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