

Title (en)

Method for making an X-ray image intensifier tube, image intensifier tube so obtained.

Title (de)

Verfahren zur Herstellung einer Röntgenbildverstärkerröhre und nach diesem Verfahren hergestellte Bildverstärkerröhre.

Title (fr)

Procédé de fabrication d'un tube perfectionné intensificateur d'images radiologiques, tube intensificateur ainsi obtenu.

Publication

EP 0350359 A1 19900110 (FR)

Application

EP 89401743 A 19890620

Priority

FR 8809310 A 19880708

Abstract (en)

[origin: JPH0268832A] PURPOSE: To prevent spurious emission in an X-ray image multiplying tube by evaporating a conductive material. layer made of an organic polymer having characteristics of chemically reacting with alkaline metal on the electrode nearest to an anode out of electrodes. CONSTITUTION: Prior to the manufacture of a cathode through the evaporation of antimony and alkaline metal and subsequent insertion thereof into an X-ray image multiplying tube, a conductive material, layer made of an organic polymer having characteristics of chemically reacting with alkaline metal is evaporated on at least a part of the electrode nearest to an anode out of electrodes. Specifically, an electrode G3 is coated with a polymer layer 8 prior to its insertion into the tube. The electrode G2 may be coated totally or partly at its region which is most liable to cause spurious emission to thereby prevent its spurious emission.

Abstract (fr)

L' invention concerne un procédé de fabrication d'un intensificateur d'images radiologiques. Avant de les introduire dans l'I.I.R., on recouvre toutes ou partie, d'une ou de toutes les électrodes(G1, G2, G3)d'une couche d'un polymère organique conducteur électronique de l'électricité, et ayant la propriété de réagir chimiquement avec les métaux alcalins déposés sur les électrodes On supprime ainsi l'éclairage parasite de l'écran d'observation (4) dû aux métaux alcalins déposés sur les électrodes lors de l'élaboration de la photocathode (3).

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