

Title (en)

Image intensifier tube with intensity distribution compensation

Title (de)

Bildverstärkerröhre mit Intensitätsverteilungskompensation

Title (fr)

Tube intensificateur d'image avec compensation de courbe de brillance

Publication

EP 0553578 B1 19960515 (FR)

Application

EP 92400258 A 19920131

Priority

FR 9010870 A 19900831

Abstract (en)

[origin: FR2666447A1] The invention relates to image intensifier tubes, and more particularly radiological image intensifiers. In order to obtain a more uniform brilliance distribution of the output image for a uniform input illumination, the invention proposes interposition, between the scintillator layer (12) and the photocathode (16) of an intermediate layer (14) of radially variable thickness (in practice, thicker at the centre), made of a material which alters the brilliance as a function of its thickness. In practice, the intermediate layer may quite simply be the In₂O₃ electrode deposited under the photocathode, the thickness of this layer being radially variable in order to obtain the desired brilliance profile compensation. <IMAGE>

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