

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 In<sub>2</sub>O<sub>3</sub> electrode deposited under the photocathode, the thickness of this layer being radially variable in order to obtain the desired brilliance profile compensation. <IMAGE>

IPC 1-7

**H01J 29/38**

IPC 8 full level

**H01J 29/38** (2006.01)

CPC (source: EP US)

**H01J 29/385** (2013.01 - EP US)

Cited by

EP0853813B1

Designated contracting state (EPC)

DE GB NL

DOCDB simple family (publication)

**EP 0553578 A1 19930804; EP 0553578 B1 19960515**; FR 2666447 A1 19920306; FR 2666447 B1 19960814; US 5256870 A 19931026

DOCDB simple family (application)

**EP 92400258 A 19920131**; FR 9010870 A 19900831; US 84077092 A 19920224