

Title (en)

Image conversion tube and method of producing such a tube

Title (de)

Bildwandlerröhre und Verfahren zur Herstellung einer solchen Röhre

Title (fr)

Tube convertisseur d'images, et procédé de fabrication d'un tel tube

Publication

EP 0608168 B2 20010124 (FR)

Application

EP 94400099 A 19940114

Priority

FR 9300638 A 19930122

Abstract (en)

[origin: EP0608168A1] The invention consists of an improvement to image converter tubes which convert the X-ray image (5) supplied on their input screen (3) into a visible image (9). Parasitic glows are developed on the insulators (11, 12, 13) inside these tubes, and the invention makes it possible to suppress these glows by depositing on the insulators a thin layer (14) of a product such as diamond carbon which has a low secondary electron emission ratio. Metal oxides are also suitable. Application to image intensifier tubes. <IMAGE>

IPC 1-7

H01J 31/50

IPC 8 full level

H01J 9/18 (2006.01); **H01J 9/20** (2006.01); **H01J 29/82** (2006.01); **H01J 29/88** (2006.01); **H01J 31/50** (2006.01)

CPC (source: EP US)

H01J 31/501 (2013.01 - EP US); **H01J 2231/50036** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 3833133 C2 19951214 - SIEMENS AG [DE]
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Cited by

US7992679B2

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DE FR NL

DOCDB simple family (publication)

EP 0608168 A1 19940727; **EP 0608168 B1 19970312**; **EP 0608168 B2 20010124**; DE 69401966 D1 19970417; DE 69401966 T2 19970626; DE 69401966 T3 20010523; FR 2700889 A1 19940729; FR 2700889 B1 19950224; JP 3529152 B2 20040524; JP H06243806 A 19940902; US 6147446 A 20001114

DOCDB simple family (application)

EP 94400099 A 19940114; DE 69401966 T 19940114; FR 9300638 A 19930122; JP 536994 A 19940121; US 17874894 A 19940107