

Title (en)
Radiological image intensifier tube

Title (de)
Röntgenbildverstärkerröhre

Title (fr)
Tube intensificateur d'image radiologique

Publication
EP 0851455 B1 20030402 (FR)

Application
EP 97403143 A 19971223

Priority
FR 9616114 A 19961227

Abstract (en)
[origin: EP0851455A1] A radiological image intensifier which produces a visible picture from incident X-rays includes an evacuated electron tube with a luminescent display screen (20) at one end on which electrons from a scintillator at the other end impinge. Screen (20) comprises a glass support (22) carrying a layer of luminescent material (28) covered by a layer of aluminium (30) at least 1 micron thick which is designed to inhibit the re-emission of electrons from the screen back into the tube and the impact on the screen of such electrons as are re-emitted.

IPC 1-7
H01J 29/18; H01J 29/28; G21K 4/00

IPC 8 full level
G21K 4/00 (2006.01); **H01J 29/18** (2006.01); **H01J 29/28** (2006.01); **H01J 31/50** (2006.01)

CPC (source: EP US)
G21K 4/00 (2013.01 - EP US); **H01J 29/185** (2013.01 - EP US); **H01J 29/28** (2013.01 - EP US); **G21K 2004/04** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 0851455 A1 19980701; **EP 0851455 B1 20030402**; DE 69720395 D1 20030508; DE 69720395 T2 20040325; FR 2758002 A1 19980703; FR 2758002 B1 20040702; JP H10214573 A 19980811; US 5981935 A 19991109

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EP 97403143 A 19971223; DE 69720395 T 19971223; FR 9616114 A 19961227; JP 36661097 A 19971226; US 99772497 A 19971224