

Title (en)

X-RAY TUBE CONTAINING A UNIVERSAL LIMITER FOR SECONDARY RADIATION

Publication

EP 0056552 B1 19870211 (FR)

Application

EP 81402080 A 19811228

Priority

FR 8100775 A 19810116

Abstract (en)

[origin: US4472827A] A universal limiter for any type of x-ray tube used in radiology or radiation therapy comprises an envelope of conical shape whose axis coincides with the axis of symmetry of the useful beam of radiation. The limiter is formed of material which is opaque to secondary radiation. The inlet aperture of the limiter is located in the immediate vicinity of the emitting focal spot and the outlet aperture of the limiter is connected mechanically to the exit window of the x-ray tube.

IPC 1-7

G21K 1/02; H01J 35/16

IPC 8 full level

G21K 1/02 (2006.01); **H01J 35/16** (2006.01)

CPC (source: EP US)

G21K 1/02 (2013.01 - EP US); **H01J 35/16** (2013.01 - EP US)

Cited by

DE3934321A1; FR2748848A1; US5479021A; EP0654684A3; EP0582508A1; FR2694504A1; US5448611A; US6185279B1; WO9744809A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0056552 A2 19820728; EP 0056552 A3 19820804; EP 0056552 B1 19870211; EP 0056552 B2 19900912; DE 3175923 D1 19870319; FR 2498375 A1 19820723; FR 2498375 B3 19830916; US 4472827 A 19840918

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EP 81402080 A 19811228; DE 3175923 T 19811228; FR 8100775 A 19810116; US 33761582 A 19820107