

Title (en)

X-ray generator for operating an X-ray tube with earthed radiological components.

Title (de)

Röntgenerators zum Betrieb einer Röntgenröhre mit an Masse angeschlossenen Röhrenteilen.

Title (fr)

Générateur à rayons X pour le fonctionnement d'un tube à rayons X dont les parties sont mises à la masse.

Publication

EP 0416708 B1 19950315 (DE)

Application

EP 90202356 A 19900905

Priority

DE 3929888 A 19890908

Abstract (en)

[origin: EP0416708A2] The invention relates to an X-ray generator for operating an X-ray tube with earthed tube parts and with a high-voltage transformer arrangement having in each case a secondary winding for generating the positive and negative high-voltage for the anode and cathode respectively of the X-ray tube. The unfavourable voltage distribution produced when such an X-ray tube is supplied by a high-impedance generator is overcome in a simple manner in that the two secondary windings each have a primary winding allocated to them and that an inductor can be connected in series with the primary winding for generating the anode voltage, by means of a switching device. <IMAGE>

IPC 1-7

H05G 1/10

IPC 8 full level

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CPC (source: EP US)

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Cited by

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EP 0416708 A2 19910313; **EP 0416708 A3 19910807**; **EP 0416708 B1 19950315**; DE 3929888 A1 19910314; DE 59008699 D1 19950420; JP 2970930 B2 19991102; JP H03101098 A 19910425; US 5123038 A 19920616

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