

Title (en)

Device for obtaining and changeover switching of high voltages on x-ray tube electrodes.

Title (de)

Vorrichtung zur Erzeugung und Umschaltung von hohen Spannungen an Röntgenröhren-Elektroden.

Title (fr)

Dispositif d'obtention et de commutation de hautes tensions de polarisaion d'électrodes de tube à rayons X.

Publication

EP 0480796 B1 19950419 (FR)

Application

EP 91402620 A 19911001

Priority

FR 9012441 A 19901009

Abstract (en)

[origin: EP0480796A1] The invention relates to a device which makes it possible to obtain electrode biasing voltages for deflecting the electron beam emitted by a cathode of an X-ray tube. <??>The invention lies in the fact that four DC voltages +/-V1 and +/-V2 are generated (30, 40) in order to apply them to a mixer circuit (55) in which they are added algebraically by diodes (D1 to D4) to floating-reference pulse voltages +/-V3 so as to obtain charging voltages VS1, VS2, VS'1, VS'2 for capacitors C15 and C14, such that: VS1 = V3 - V1, VS2 = -V3 + V2 VS'1 = -V3 + V2, VS'2 = V3 - V1 <IMAGE>

IPC 1-7

H05G 1/10; **H05G 1/20**; **H05G 1/32**; **H05G 1/52**

IPC 8 full level

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CPC (source: EP US)

H05G 1/10 (2013.01 - EP US); **H05G 1/20** (2013.01 - EP US); **H05G 1/32** (2013.01 - EP US); **H05G 1/52** (2013.01 - EP US)

Cited by

US6111933A; US5737197A; US5629844A; AU697683B2; CN1056483C; WO9631939A1

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DE NL

DOCDB simple family (publication)

EP 0480796 A1 19920415; **EP 0480796 B1 19950419**; DE 69109044 D1 19950524; DE 69109044 T2 19951102; FR 2667723 A1 19920410; FR 2667723 B1 19921127; JP 3293853 B2 20020617; JP H04264338 A 19920921; US 5200645 A 19930406

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