

Title (en)

Method for aftertreating the focal track of rotary anodes of X-ray tubes.

Title (de)

Verfahren zur Nachbehandlung der Brennbahn von Röntgendrehanoden.

Title (fr)

Procédé pour traiter postérieurement la trace focale d'une anode rotative sur tubes à rayons X.

Publication

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Application

EP 92201234 A 19920504

Priority

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Abstract (en)

[origin: EP0512633A2] In a method of producing a rotary anode of an X-ray tube having a focal track region composed of refractory metals, the focal track region is manufactured by powder-metallurgy methods or by CVD OR PVD methods. According to the invention, the focal track region is aftertreated, preferably using high-energy electrons or photons, at a depth of less than 1.5 mm by means of local superficial melting. This reduces, in particular, the residual porosity of the focal track region, which results in improved mechanical properties, higher X-ray yield and markedly improved service life of such rotary anodes.

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