

Title (en)

X-Ray tube anode with oxide layer.

Title (de)

Röntgenröhrenanode mit Oxidbeschichtung.

Title (fr)

Anode pour tube à rayons X à couche d'oxyde.

Publication

EP 0488450 B1 19950308 (DE)

Application

EP 91203023 A 19911120

Priority

AT 242190 A 19901130

Abstract (en)

[origin: EP0488450A1] In an X-ray anode, in particular a rotary anode having a parent body consisting of a refractory material containing carbon, the anode is provided with an oxidic top coating containing a homogeneously fused phase outside the focal spot or the focal track to improve the heat radiation. Situated between the parent body and the oxidic top layer is a two-layer interlayer containing a layer of molybdenum and/or tungsten and a layer of Al₂O₃ containing 1 - 30 % by weight of TiO₂. It is only this interlayer which makes it possible to fuse the oxidic top layer satisfactorily to form a homogeneous phase. In addition, the ageing resistance of the thermal emission coefficient is substantially improved.

IPC 1-7

H01J 35/10

IPC 8 full level

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CPC (source: EP US)

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