

Title (en)

Support for rotating the anti-cathode of an X-ray tube.

Title (de)

Träger für Dreh-Antikathode von Röntgenröhren.

Title (fr)

Support pour anticathode tournante de tubes à rayons X.

Publication

EP 0236241 A1 19870909 (FR)

Application

EP 87420026 A 19870128

Priority

FR 8601647 A 19860130

Abstract (en)

[origin: US4847883A] The present invention concerns a support of carbonaceous material for a rotary target of X-ray tubes. The support is formed of two parts which are fixed with respect to each other, one part being of a carbon/carbon composite which provides mechanical strength and the other part being of polycrystalline graphite for receiving a refractory metal, by virtue of its coefficient of expansion. A thermal contact is provided between the two parts. The invention is especially applicable to targets of X-ray tubes which rotate at a high speed, 20,000 RPM and above.

Abstract (fr)

La présente invention concerne un support en matériau carboné pour anticathode tournante de tubes à rayons X. Ce support est caractérisé en ce qu'il est constitué de deux parties solidaires l'une de l'autre, l'une étant en composite carbone/carbone 3 qui assure la tenue mécanique, l'autre en graphite polycristallin 4 qui permet grâce à son coefficient de dilatation de recevoir le métal réfractaire 5. Un contact thermique 8 est assuré entre les deux parties 3 et 4. L'invention s'applique plus particulièrement aux anticathodes de tubes à rayons X tournant à grande vitesse (20 000 tours/minute et au-delà).

IPC 1-7

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Citation (search report)

- [A] GB 2084124 A 19820407 - GEN ELECTRIC
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DOCDB simple family (publication)

US 4847883 A 19890711; AT E49323 T1 19900115; CA 1264801 A 19900123; DE 3761346 D1 19900208; EP 0236241 A1 19870909; EP 0236241 B1 19900103; ES 2012408 B3 19900316; FR 2593638 A1 19870731; FR 2593638 B1 19880318; GR 3000291 T3 19910315; JP H0361301 B2 19910919; JP S63164150 A 19880707

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US 709387 A 19870127; AT 87420026 T 19870128; CA 528212 A 19870127; DE 3761346 T 19870128; EP 87420026 A 19870128; ES 87420026 T 19870128; FR 8601647 A 19860130; GR 890400141 T 19900221; JP 1712987 A 19870127