

Title (en)

X ray tube anode and tube having same.

Title (de)

Röntgenröhrenanode und Röntgenröhre mit einer solchen Anode.

Title (fr)

Anode pour tube à rayons X et tube l'utilisant.

Publication

**EP 0432568 A2 19910619 (EN)**

Application

**EP 90122630 A 19901127**

Priority

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Abstract (en)

An X-ray tube anode (32) has a thin metal film first layer (31a), e.g. W, for producing hard X-rays. A diamond (31b) second layer supports the first layer, conducts heat away from it, and transmits X-rays (34a, 34b). The layers usually have a maximum thickness of about the stopping distance of incident electrons. An X-ray tube has such an anode and a heat sink (38) in contact with the layers. The sink can have a beam dump (42) and a transmission mode X-ray window (36b). A normal mode X-ray window (36a) is in the tube envelope near the anode.

IPC 1-7

**H01J 35/08; H01J 35/18**

IPC 8 full level

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CPC (source: EP US)

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