

Title (en)
X RAY TUBE ANODE AND TUBE HAVING SAME

Publication
EP 0432568 A3 19910828 (EN)

Application
EP 90122630 A 19901127

Priority
US 44838489 A 19891211

Abstract (en)
[origin: EP0432568A2] 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.

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

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H01J 2235/122 (2013.01 - EP); **H01J 2235/183** (2013.01 - EP)

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