

Title (en)  
X-RAY TUBE TARGET

Publication  
**EP 0249141 A3 19880713 (EN)**

Application  
**EP 87108040 A 19870603**

Priority  
US 87423086 A 19860613

Abstract (en)  
[origin: EP0249141A2] A composite target for an x-ray tube has a graphite substrate portion and a metal portion, the two portions being bonded together by successive interspersed layers of platinum and tantalum. The platinum layer is disposed between the graphite substrate portion and the tantalum layer. The tantalum layer acts to bond the metal portion to the platinum layer and also acts as an isolator to prevent the formation of carbides by migration through the bonding layers.

IPC 1-7  
**H01J 35/10**

IPC 8 full level  
**H01J 35/08** (2006.01); **H01J 35/10** (2006.01)

CPC (source: EP)  
**H01J 35/108** (2013.01)

Citation (search report)

- [Y] US RE31568 E 19840424
- [Y] US 3890521 A 19750617 - SHROFF ARVIND
- [A] EP 0037956 A1 19811021 - TOKYO SHIBAURA ELECTRIC CO [JP]
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Designated contracting state (EPC)  
AT DE FR GB NL

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**EP 87108040 A 19870603; JP 14545787 A 19870612**