

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]
- [A] US 3122424 A 19640225 - PERCIVAL KING L D

Cited by
EP0464916A3; US8165269B2; EP0428347A3; US10804063B2

Designated contracting state (EPC)
AT DE FR GB NL

DOCDB simple family (publication)
EP 0249141 A2 19871216; EP 0249141 A3 19880713; JP S6324533 A 19880201

DOCDB simple family (application)
EP 87108040 A 19870603; JP 14545787 A 19870612