

Title (en)

X-ray tube target.

Title (de)

Röntgenröhren-Treffplatte.

Title (fr)

Cible pour tube à rayons X.

Publication

**EP 0249141 A2 19871216 (EN)**

Application

**EP 87108040 A 19870603**

Priority

US 87423086 A 19860613

Abstract (en)

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)

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**