

Title (en)

Indirectly heated X-ray tube with a flat cathode.

Title (de)

Röntgenröhre mit flacher Kathode und indirekter Heizung.

Title (fr)

Tube radiogène à cathode plane et à chauffage indirect.

Publication

EP 0349387 A1 19900103 (FR)

Application

EP 89401761 A 19890622

Priority

FR 8808962 A 19880701

Abstract (en)

The problems are resolved of temperature holding of cathodes by making hollow beam-shaped flat cathodes. This ensures them a rigidity inherent in the beam-shape without however endowing them with the disadvantages of too large a thermal inertia. <IMAGE>

Abstract (fr)

On résout les problèmes de tenue en température des cathodes en réalisant des cathodes planes en forme de poutre creuse. Ceci leur assure une rigidité inhérente à la forme en poutre, sans leur conférer par ailleurs les inconvénients d'une trop grande inertie thermique.

IPC 1-7

H01J 35/06; **H01J 35/14**

IPC 8 full level

H01J 35/06 (2006.01); **H01J 35/14** (2006.01)

CPC (source: EP US)

H01J 35/06 (2013.01 - EP US); **H01J 35/064** (2019.04 - EP US); **H01J 35/066** (2019.04 - EP US); **H01J 35/147** (2019.04 - EP US)

Citation (search report)

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- [A] US 3916202 A 19751028 - HEITING ROBERT F, et al
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 2, no. 64 (E-78)[2148], 17 mai 1978, page 2148 E 78; & JP-A-53 30 292 (TOKYO SHIBAURA DENKI K.K.) 22-03-1978
- [A] PATENT ABSTRACTS OF JAPAN, vol. 4, no. 157 (E-32)[639], 4 novembre 1980, page 131 E 32; & JP-A-55 108 158 (HITACHI SEISAKUSHO K.K.) 19-08-1980

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