

Title (en)

Current supply device for an X-ray tube filament.

Title (de)

Stromversorgungsvorrichtung für den Glühfaden einer Röntgenröhre.

Title (fr)

Dispositif d'alimentation en courant d'un filament de tube radiogène.

Publication

EP 0241373 A1 19871014 (FR)

Application

EP 87400774 A 19870407

Priority

FR 8605240 A 19860411

Abstract (en)

[origin: US4809310A] The invention pertains to a current-supplying device used to supply heating current to a filament of an X-ray tube. The current-supplying device comprises a current inverter delivering current to a load circuit in which there is an oscillating circuit, the impedance of which is made to vary.

Abstract (fr)

L'invention concerne un dispositif d'alimentation en courant, permettant d'alimenter en courant de chauffage (I) un filament (23) d'un tube radiogène (26), avec une grande dynamique de puissance. Le dispositif d'alimentation (1) comporte un onduleur (2) débitant dans un circuit de charge (12,13) dans lequel est disposé un circuit oscillant (13) dont on fait varier l'impédance.

IPC 1-7

H05G 1/20; **H05G 1/34**

IPC 8 full level

H05G 1/20 (2006.01); **H05G 1/34** (2006.01)

CPC (source: EP US)

H05G 1/20 (2013.01 - EP US); **H05G 1/34** (2013.01 - EP US)

Citation (search report)

- [A] EP 0137401 A2 19850417 - TOSHIBA KK [JP]
- [A] US 3567995 A 19710302 - LAURITZEN PETER O, et al
- [A] EP 0075283 A1 19830330 - TOKYO SHIBAURA ELECTRIC CO [JP]
- [A] WO 8200397 A1 19820204 - PENNWALT CORP [US]
- [A] DE 2826455 A1 19781221 - HITACHI MEDICAL CORP
- [A] US 3916251 A 19751028 - HERNANDEZ LEO, et al
- [A] GB 2005878 A 19790425 - DEN TAL EZ MFG CO
- [A] FR 2471118 A1 19810612 - SIEMENS AG [DE]

Cited by

US5950772A; EP0471626A1; FR2666000A1; US5200984A

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0241373 A1 19871014; **EP 0241373 B1 19900816**; DE 3764292 D1 19900920; FR 2597285 A1 19871016; FR 2597285 B1 19880617; US 4809310 A 19890228

DOCDB simple family (application)

EP 87400774 A 19870407; DE 3764292 T 19870407; FR 8605240 A 19860411; US 3586787 A 19870408