

Title (en)
WELD-RESISTANT X-RAY TUBE

Publication
EP 0236573 A3 19880810 (EN)

Application
EP 86117778 A 19861219

Priority
US 81602086 A 19860103

Abstract (en)
[origin: EP0236573A2] Disclosed is an X-ray generating tube (20) having a filament (11), a grid (12) and an anode (13). Connected between the grid and filament is a nonlinear resistor (21) for preventing the relative voltage therebetween from exceeding a preselected limit. Connected in series with the grid is a resistor (23) for limiting current flow thereto. Together, the nonlinear resistor and the grid resistor help prevent grid filament shorts in the X-ray tube.

IPC 1-7
H05G 1/10; **H05G 1/54**

IPC 8 full level
H01J 35/04 (2006.01); **H01J 35/06** (2006.01); **H05G 1/10** (2006.01); **H05G 1/54** (2006.01)

CPC (source: EP)
H05G 1/10 (2013.01); **H05G 1/54** (2013.01)

Citation (search report)

- [A] US 3808559 A 19740430 - MAC LACHLAN R, et al
- [A] US 3109093 A 19631029 - ARRISON JR ROBERT A, et al
- [A] US 2502269 A 19500328 - NEMET ANTHONY
- O. LIMANN: "Funktechnik ohne Ballast", 15. Auflage, 1979, Franzis-Verlag, M{nchen, DE
- TOUTE L'ELECTRONIQUE, no. 479, December 1982, pages 533-538, Paris, FR; G. PARIS: "L'écrtage des surtensions transitoires sur les r{seaux basse tension"
- PATENT ABSTRACTS OF JAPAN, vol. 10, no. 317 (E-449)[2373], 28th October 1986; & JP-A-61 126 799 (HITACHI MEDICAL CORP.) 14-06-1986

Cited by
EP1014760A3; EP0497517A1

Designated contracting state (EPC)
AT DE FR

DOCDB simple family (publication)
EP 0236573 A2 19870916; **EP 0236573 A3 19880810**; JP S62188148 A 19870817

DOCDB simple family (application)
EP 86117778 A 19861219; JP 30667886 A 19861224