

Title (en)

Safety device for X-ray installation.

Title (de)

Sicherheitsvorrichtung für Röntgenanlagen.

Title (fr)

Dispositif de sécurité pour ensemble radiogène.

Publication

EP 0397562 A1 19901114 (FR)

Application

EP 90401231 A 19900509

Priority

FR 8906095 A 19890510

Abstract (en)

The invention relates to X-ray tubes which are arranged inside a sealed cladding (25) filled with a cooling fluid. <??>According to the invention the safety device consists of a thermostat and/or pressure regulator 42 which is connected in series in the power circuit for the filament of the cathode 14. In the case of a cathode with two filaments 39 and 40, the thermostat and/or pressure regulator is connected to the common conductor 37. Thus, should a temperature or pressure threshold be exceeded, power to the filament is cut, and this halts the X-radiation. <??>The invention is applicable to radiology instruments. <IMAGE>

IPC 1-7

H05G 1/04; **H05G 1/26**; **H05G 1/54**

IPC 8 full level

H05G 1/04 (2006.01); **H05G 1/26** (2006.01); **H05G 1/54** (2006.01)

CPC (source: EP US)

H05G 1/025 (2013.01 - EP US); **H05G 1/04** (2013.01 - EP US); **H05G 1/26** (2013.01 - EP US); **H05G 1/54** (2013.01 - EP US)

Citation (search report)

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EP 0397562 A1 19901114; **EP 0397562 B1 19940112**; DE 69005896 D1 19940224; DE 69005896 T2 19940707; FR 2646982 A1 19901116; FR 2646982 B1 19920207; JP H034499 A 19910110; US 5008916 A 19910416

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