

Title (en)
Protection device for neutron tubes.

Title (de)
Schutzvorrichtung von Neutronenröhren.

Title (fr)
Dispositif de protection des tubes neutroniques.

Publication
EP 0357133 B1 19940504 (FR)

Application
EP 89202146 A 19890824

Priority
FR 8811259 A 19880826

Abstract (en)
[origin: EP0357133A1] Protection device for a neutron tube comprising an ion source, the anode of which (2) is brought to a positive potential in relation to the cathode (3) by means of a supply source and the ionic beam of which, which is accelerated by means of the acceleration electrode (5), strikes a target (6) which is arranged on an insulating support (9) and placed at a negative potential provided by a supply HT. <??>The said protection device consists of electrical limiting elements of the tube current (11, 12) and/or of the target voltage which are made unchangeable by enclosing them in the interior of the neutron tube in such a way that any attempt to modify the electrical parameters determining the normal functioning conditions of the tube requires the latter to be opened. <??>Field of application:neutron tubes. <IMAGE>

IPC 1-7
H05H 3/06

IPC 8 full level
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CPC (source: EP US)
H05H 3/06 (2013.01 - EP US)

Citation (examination)
Physica IV no. 11, Décembre 1937, pages 1190-1199 ; F.M. PENNING et J.H.A. MOUBIS : "Un tube neutronique sans pompage".

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