

Title (en)
SHIELD STRUCTURE AND FOCAL SPOT CONTROL ASSEMBLY FOR X-RAY DEVICE

Title (de)
ABSCHIRMSTRUKTUR UND BRENNPUNKTSTEUERUNGSANORDNUNG FÜR RÖNTGENVORRICHTUNGEN

Title (fr)
STRUCTURE DE BLINDAGE ET ASSEMBLAGE DE COMMANDE DE POINT FOCAL POUR UN DISPOSITIF A RAYONS X

Publication
EP 1784837 A4 20110420 (EN)

Application
EP 05794388 A 20050902

Priority

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Abstract (en)
[origin: WO2006029026A2] A shield structure and focal spot control assembly is provided for use in connection with an x-ray device that includes an anode and cathode disposed in a vacuum enclosure in a spaced apart arrangement so that a target surface of the anode is positioned to receive electrons emitted by the cathode. The shield structure is configured to be interposed between the anode and the cathode and includes an interior surface that defines an aperture or other opening through which the electrons are passed from the cathode to the target surface of the anode. Additionally, fluid passageways defined in connection with the shield structure enable cooling of the shield structure. Finally, a magnetic device disposed proximate the cathode facilitates control of the location of the focal spot on the target surface of the anode.

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H01J 35/10 (2013.01); **H01J 35/16** (2013.01); **H01J 2235/1216** (2013.01); **H01J 2235/167** (2013.01)

Citation (search report)

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Citation (examination)
EP 1707036 A2 20061004 - KONINKL PHILIPS ELECTRONICS NV [NL]

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