

Title (en)

Housing for an x-ray emitting assembly and method of making the same

Title (de)

Gehäuse für eine Röntgenstrahlen emittierende Anlage und Herstellungsverfahren

Title (fr)

Boîtier pour un dispositif émetteur de rayons-x et son procédé de fabrication

Publication

**EP 1111968 A2 20010627 (EN)**

Application

**EP 00128249 A 20001221**

Priority

- US 17207899 P 19991223
- US 59696700 A 20000620

Abstract (en)

The x-ray emitter assembly of the invention includes an x-ray tube assembly. The emitter assembly further includes a first high voltage connector and a second high voltage connector being operably connected to the x-ray tube assembly. The x-ray tube assembly and the first and second high voltage connectors are selectively operable to generate x-radiation. The emitter assembly further includes a supply of dielectric oil surrounding the x-ray tube assembly. The emitter assembly further includes a housing assembly containing the supply of dielectric oil and surrounding the x-ray tube assembly. The housing assembly is electronically insulated from the first and second high voltage connectors and the x-ray tube assembly and allows for the protrusion of the first and second high voltage connectors. The housing assembly selectively permits emission of x-radiation from the x-ray emitter assembly. The housing assembly includes an composite inner wall. The composite inner wall includes one or more protection layers and a sealing layer. The one or more protection layers has an internal surface and the sealing layer comprises tin and has an external surface. The composite inner wall is integrally formed by cold rolling the external surface of the sealing layer to the internal surface of the one or more protection layers. <IMAGE>

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