

Title (en)

X-RAY TUBE HAVING A ROTARY ANODE AND A DEVICE FOR CARRYING OFF THE ANODE CURRENT

Publication

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Application

EP 84401343 A 19840626

Priority

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Abstract (en)

[origin: US4608707A] The invention relates to a rotating anode X-ray tube provided with a charge flow device, in which the anode current of the tube is established between an emitter coupled in rotation to the rotating anode, as well as a fixed collector. The latter is electrically connected to high voltage and the emitter is electrically connected to the rotating anode, having at least one part with a tapered end constituting an electron emissive zone. These electrons are trapped by the collector, so as to establish the anode current of the tube without any material contact between the emitter and the collector. The invention is applicable to radiology in general and more specifically to medical diagnosis.

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