Title (en)

X-RAY TUBE FOR FAST KILOVOLT-PEAK SWITCHING

Title (de)

RÖNTGENRÖHRE ZUM SCHNELLEN UMSCHALTEN ZWISCHEN SPITZENSPANNUNGEN IM KV-BEREICH

Title (fr)

TUBE À RAYONS X QUI PEUT ÊTRE COMMUTÉ RAPIDEMENT ENTRE DES TENSIONS DE CRÊTE KV

Publication

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Application

EP 18203239 A 20181030

Priority

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Abstract (en)

The present invention relates to a hybrid anode structure (100) for fast-kilovolt-peak switching for dual energy CT, the hybrid anode structure comprising: an auxiliary anode (10), which comprises a first target area (12), which is configured to receive a first portion (42) of an electron beam; a main anode (20), which comprises a second target area (22), which is configured to receive a second portion (44) of the electron beam and to convert the second portion of the electron beam into X-rays (50); and a deflector (30), which is configured to deflect an incident electron beam (40) and to spread the incident electron beam (40) between the first target area (12) of the auxiliary anode (10) and the second target (22) area of the main anode (20).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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