

Title (en)

COMPACT, IONISING RAY-GENERATING SOURCE, ASSEMBLY COMPRISING A PLURALITY OF SOURCES AND METHOD FOR PRODUCING THE SOURCE

Title (de)

KOMPAKTE QUELLE MIT ERZEUGUNG VON IONISIERENDEN STRAHLEN, ANORDNUNG MIT EINER VIELZAHL VON QUELLEN UND VERFAHREN ZUR HERSTELLUNG DER QUELLE

Title (fr)

SOURCE GÉNÉRATRICE DE RAYONS IONISANTS COMPACTE, ENSEMBLE COMPRENANT PLUSIEURS SOURCES ET PROCÉDÉ DE RÉALISATION DE LA SOURCE

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Application

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Abstract (en)

[origin: WO2019011980A1] The invention relates to a source generating ionising rays, and in particular X-rays, an assembly comprising a plurality of sources and a method for producing the source. The ionising ray-generating source comprises: · a vacuum chamber (12), · a cathode (14) capable of emitting an electron beam (18) in the vacuum chamber (12), · an anode (16) receiving the electron beam (18) and comprising a target (20) capable of generating an ionising radiation (22) from the energy received from the electron beam (18), and · an electrode (24) arranged in the vicinity of the cathode (14) and forming a Wehnelt electrode. According to the invention, the electrode (24) is composed of a conductive surface adhering to a concave face (26) of a dielectric material.

IPC 8 full level

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