

Title (en)

X-RAY SOURCE AND IMAGING SYSTEM

Title (de)

RÖNTGENQUELLE UND BILDGEBENDES SYSTEM

Title (fr)

SOURCE DE RAYONS X ET SYSTÈME D'IMAGERIE

Publication

**EP 2979293 A1 20160203 (DE)**

Application

**EP 14711938 A 20140307**

Priority

- DE 102013208103 A 20130503
- EP 2014054407 W 20140307

Abstract (en)

[origin: WO2014177308A1] The invention relates to an X-ray source (1) comprising an evacuable outer housing (3) having at least one X-ray-permeable beam exit window (5), an electron source (7), an anode (13) and a collector (19) for catching electrons which penetrate the anode. The collector is part of an electrical current circuit for applying a negative potential to the anode, and the radiation window is disposed such that X-ray radiation (9) which exits from the anode at an angle (a) of 130 degrees to 230 degrees to the electron beam direction can be coupled out through the radiation window. The invention further relates to an imaging system having an X-ray source according to the invention, an arrangement to accommodate an object to be examined, and an X-ray detector.

IPC 8 full level

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CPC (source: EP US)

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**H01J 2235/086** (2013.01 - EP US); **H01J 2235/1225** (2013.01 - EP US); **H01J 2235/168** (2013.01 - EP US)

Citation (search report)

See references of WO 2014177308A1

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