

Title (en)

RADIATION SOURCE AND METHOD FOR GENERATING X-RAY RADIATION

Title (de)

STRAHLUNGSQUELLE UND VERFAHREN ZUM ERZEUGEN VON RÖNTGENSTRAHLUNG

Title (fr)

SOURCE DE RAYONNEMENT ET PROCÉDÉ POUR GÉNÉRER DES RAYONS X

Publication

EP 2283508 B1 20111026 (DE)

Application

EP 09757210 A 20090528

Priority

- EP 2009003784 W 20090528
- DE 102008026938 A 20080605

Abstract (en)

[origin: US8565381B2] In a radiation source and a method for the generation of X-radiation, a liquid is arranged in a liquid line, the liquid being completely surrounded by the liquid line in the direction of an evacuated chamber. A portion of the liquid line is permeable to an electron beam such that the electron beam extending through the chamber is able to enter via the liquid line so as to interact with the liquid in an interaction zone for the generation of X-radiation. The radiation source ensures a good dissipation of heat from the interaction zone and prevents liquid from entering the chamber.

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

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