

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: WO2009146827A1] In a radiation source (1) and a method for generating x-ray radiation (2), a fluid (9) is disposed in a fluid line (10) and is completely surrounded by the fluid line (10) in the direction of an evacuated chamber (3). Part of the fluid line (10) is configured in a manner that is pervious to an electron beam (6) such that the electron beam (6) extending through the chamber (3) may enter through the fluid line (10) and may interact with the fluid (9) for generating the x-ray radiation (2) in an interaction zone. The radiation source (1) enables good heat removal from the interaction zone and prevents fluid (9) from entering the chamber (3).

IPC 8 full level

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CPC (source: EP US)

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