

Title (en)

X-RAY TUBE, X-RAY DEVICE AND METHOD FOR MANUFACTURING AN X-RAY TUBE AND AN X-RAY DEVICE

Title (de)

RÖNTGENRÖHRE, RÖNTGENGERÄT UND VERFAHREN ZUR FERTIGUNG EINER RÖNTGENRÖHRE UND EINES RÖNTGENGERÄTS

Title (fr)

TUBE À RAYONS X, APPAREIL À RAYONS X ET PROCÉDÉ DE FABRICATION D'UN TUBE À RAYONS X ET D'UN APPAREIL À RAYONS X

Publication

**EP 3590124 B1 20201007 (DE)**

Application

**EP 18723758 A 20180430**

Priority

EP 2018061029 W 20180430

Abstract (en)

[origin: WO2019210932A1] The X-ray tube comprises an anode (40) having an interaction region (35) and a cooling contact (80), wherein the anode (40) has, in a region leading thermally from the interaction region (35) to the cooling contact (80), a non-disappearing and continuous spatial increase in thermal conductivity. The X-ray device has an X-ray tube of this kind. In the method for manufacturing an X-ray tube (20) of this kind or an X-ray device (10) of this kind, the region is formed by means of additive manufacture with a spatial change in the material composition or by means of a partially porous material and infiltration of the material.

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

- US 2009225950 A1 20090910 - YONEZAWA TETSUYA [JP], et al
- US 6252934 B1 20010626 - SCOTT ALLAN W [US], et al

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