

Title (en)

FIXED ANODE X-RAY TUBE WITH TWO-PART HIGH VOLTAGE VACUUM FEED THROUGH

Title (de)

FESTANODEN-RÖNTGENRÖHRE MIT ZWEITEILIGER HOCHSPANNUNGS-VAKUUMDURCHFÜHRUNG

Title (fr)

TUBE A RAYONS X A ANODE FIXE COMPRENANT UNE TRAVERSEE DE VIDE HAUTE TENSION EN DEUX PARTIES

Publication

**EP 2942800 B1 20170412 (DE)**

Application

**EP 15166319 A 20150505**

Priority

DE 102014208729 A 20140509

Abstract (en)

[origin: US2015325400A1] A high voltage vacuum feed through (23) for an electron tube (25) has an anode (28) and an insulating body (1) of ceramic material, the insulating body (1) having a continuous hollow space (10). The anode (28) has a rear part (2) and a front part (3) mounted thereto. The rear part (2) consists of a first metallic material, having a thermal expansion coefficient corresponding to a thermal expansion coefficient of the ceramic material. The rear part (2) is arranged in the hollow space (10) of the insulating body (1) and is soldered into the insulating body (1) in a vacuum-tight fashion. The front part (3) has a second metallic material whose heat conductivity is larger than that of the first metallic material. The high voltage vacuum feed through reliably remains vacuum-tight during operation and can be easily provided with different target materials.

IPC 8 full level

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CPC (source: EP US)

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