

Title (en)

Source for quasi-monochromatic X-ray beam

Title (de)

Strahlenquelle für quasimonochromatische Röntgenstrahlung

Title (fr)

Source quasi-monochromatique de rayons X

Publication

**EP 0459567 B1 19960131 (DE)**

Application

**EP 91201225 A 19910522**

Priority

DE 4017002 A 19900526

Abstract (en)

[origin: EP0459567A2] The invention relates to a source for generating essentially monochromatic X-ray radiation, having an anode for generating X-ray radiation, a target, which is surrounded by the anode, for converting the X-ray radiation into fluorescent radiation, and having a screen, which is located between the target and the anode, for screening the target from electrons. In this case, a higher yield of fluorescent radiation is achieved by the screen containing an element having a high atomic number.

IPC 1-7

**H01J 35/02**; **G21K 1/10**

IPC 8 full level

**G21K 1/10** (2006.01); **H01J 35/02** (2006.01); **H01J 35/04** (2006.01)

CPC (source: EP US)

**H01J 35/02** (2013.01 - EP US); **H01J 35/04** (2013.01 - EP US)

Cited by

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**EP 0459567 A2 19911204**; **EP 0459567 A3 19920102**; **EP 0459567 B1 19960131**; DE 4017002 A1 19911128; DE 59107329 D1 19960314; JP 3105292 B2 20001030; JP H04229539 A 19920819; US 5157704 A 19921020

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