

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
DE19805290A1; DE19805290C2; US6141400A; DE19639241A1; DE19639241C2

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
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

DOCDB simple family (application)
EP 91201225 A 19910522; DE 4017002 A 19900526; DE 59107329 T 19910522; JP 11862891 A 19910523; US 70424191 A 19910522