

Title (en)

Device for detecting or guiding x-radiation using x-ray optics

Title (de)

Vorrichtung zur Erfassung und/oder Leitung von Röntgenstrahlung unter Verwendung einer Röntgenoptik

Title (fr)

Dispositif pour détecter ou guider des rayons x utilisant une optique pour rayons x

Publication

**EP 1953537 A1 20080806 (DE)**

Application

**EP 07001978 A 20070130**

Priority

EP 07001978 A 20070130

Abstract (en)

The device has an X-ray optical lens system (11) made of metal material, and an X-ray detector (4) for detecting X-ray radiation, which is emitted or transmitted by a specimen (2) radiated by an X-ray source (9). The X-ray optical lens system is arranged between the specimen and the X-ray detector. The optical lens system is designed in such that the emitted and/or transmitted X-ray radiation is aligned and/or focused in parallel, where the X-ray radiation is fluorescent radiation of the specimen excited by primary radiation.

Abstract (de)

Die Erfindung betrifft eine Vorrichtung zur Erfassung von Röntgenstrahlung, umfassend: mindestens eine Röntgenoptik (11); und mindestens einen Röntgendetektor (4) zum Erfassen der Röntgenstrahlung (3a;3b;3c), die von einer durch eine Primärstrahlung (9) bestrahlten Probe (2) emittiert wird, wobei die Röntgenoptik (11) zwischen der Probe (2) und dem Röntgendetektor (4) angeordnet und derart ausgebildet ist, dass die emittierte Röntgenstrahlung (3a;3b;3c) parallel ausgerichtet und/oder fokussiert wird.

IPC 8 full level

**G01N 23/223** (2006.01); **G01T 1/29** (2006.01); **G21K 1/06** (2006.01)

CPC (source: EP)

**G21K 1/06** (2013.01); **G21K 2201/064** (2013.01)

Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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