

Title (en)

X-ray optical system with aperture in the focus of a X-ray mirror

Title (de)

Röntgen-optisches System mit Blende im Fokus eines Röntgen-Spiegels

Title (fr)

Système optique à rayons X avec ouverture dans le focus d'un miroir à rayons X

Publication

EP 1324351 B1 20100421 (DE)

Application

EP 02027472 A 20021210

Priority

DE 10162093 A 20011218

Abstract (en)

[origin: EP1324351A2] The system has a first graded multilayered mirror (A) an X-ray source which is positioned such that the extension of X-ray radiation (Qx) in X-axis, is larger than the region of acceptance of the mirror along X-axis. A collimator is positioned between the X-ray source and the mirror such that the distance between the collimator and the source satisfies preset relation including angle subtended by the mirror along X-axis. <??>Independent claims are also included for the following: <??>(1) X-ray spectrometer; <??>(2) X-ray diffractometer; and <??>(3) X-ray microscope.

IPC 8 full level

G21K 1/06 (2006.01)

CPC (source: EP US)

G21K 1/06 (2013.01 - EP US)

Designated contracting state (EPC)

DE GB NL

DOCDB simple family (publication)

EP 1324351 A2 20030702; EP 1324351 A3 20070718; EP 1324351 B1 20100421; DE 10162093 A1 20030710; DE 50214385 D1 20100602; US 2003112923 A1 20030619; US 6898270 B2 20050524

DOCDB simple family (application)

EP 02027472 A 20021210; DE 10162093 A 20011218; DE 50214385 T 20021210; US 31419702 A 20021209