

Title (en)

X-ray optical system and method for imaging a source

Title (de)

Röntgen-optisches System und Verfahren zur Abbildung einer Quelle

Title (fr)

Système optique à rayons X et méthode pour former un image d'une source

Publication

**EP 1318524 B1 20090318 (DE)**

Application

**EP 02026625 A 20021129**

Priority

DE 10160472 A 20011208

Abstract (en)

[origin: EP1318524A2] The system has two x-ray reflectors (A,B) for focussing an x-ray source (S) onto a target region. The x-ray reflectors are tilted towards each other, with an offset from 90 degrees so that the combined acceptance region of the x-ray reflectors is matched to the shape of the x-ray source and/or the target region. The offset from 90 degrees is preferably between 30 and 85 degrees. The x-ray reflectors may comprise a multilayer structure. <??>Independent claims are also included for the following: <??>(1) an x-ray diffractometer; and <??>(2) a method of focusing an image source for x-ray or neutron radiation onto a target region.

IPC 8 full level

**G21K 1/06** (2006.01)

CPC (source: EP US)

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Cited by

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**EP 1318524 A2 20030611; EP 1318524 A3 20070704; EP 1318524 B1 20090318**; DE 10160472 A1 20030626; DE 10160472 B4 20040603; US 2003108153 A1 20030612; US 6925147 B2 20050802

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