

Title (en)
SLOT APERTURE FOR APPLICATIONS IN RADIOGRAPHY

Title (de)
SCHLITZBLENDE FÜR ANWENDUNGEN IN DER RADIOGRAPHIE

Title (fr)
DIAPHRAGME À FENTE POUR APPLICATIONS RADIOGRAPHIQUES

Publication
EP 3120364 A1 20170125 (DE)

Application
EP 15711190 A 20150320

Priority
• DE 102014103833 A 20140320
• EP 2015055996 W 20150320

Abstract (en)
[origin: WO2015140325A1] The invention relates to a slot aperture, in particular for an imaging device which is suitable to delimit high-energy radiation originating from a radiation source, in particular x-rays and/or synchrotron radiation. The invention further relates to a production method for said multiple slot aperture and to a use thereof for the imaging representation of a test element. The slot aperture comprises: a first slot block and a second slot block, wherein the first and the second slot block comprises a radiation-absorbing part and at least one radiation-transparent slot and the first and the second slot block can be arranged in relation to each other such that, in a first position, the at least one slot arranged in the first slot block is continued in exactly one corresponding slot arranged in the second slot block, such that a beam extending through the first slot of the first slot block passes unimpeded through the second slot block and, in a second position, the slot of the first slot block points to a region of the second slot block that is free of slots, such that a beam extending through the first slot of the first slot block strikes the region of the second slot block that is adjacent to the corresponding slot, and thus does not penetrate the second slot block.

IPC 8 full level
G21K 1/04 (2006.01)

CPC (source: EP US)
G01N 23/203 (2013.01 - US); **G21K 1/02** (2013.01 - US); **G21K 1/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2015140325A1

Citation (examination)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014103833 B3 20150709; EP 3120364 A1 20170125; US 2017084358 A1 20170323; WO 2015140325 A1 20150924

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DE 102014103833 A 20140320; EP 15711190 A 20150320; EP 2015055996 W 20150320; US 201515126366 A 20150320