

Title (en)
X-ray microscope

Title (de)
Röntgenmikroskop

Title (fr)
Microscope à rayons X

Publication
EP 0475098 B1 19960207 (DE)

Application
EP 91113635 A 19910814

Priority
DE 4027285 A 19900829

Abstract (en)
[origin: EP0475098A2] The X-ray microscope has a pulsed X-ray source which supplies an intense line radiation such as, for example, a plasma focus source, a reflecting condenser which focuses the radiation of the X-ray source onto the object to be examined, and a X-ray optical system which is constructed as a zone plate and by means of which the object is projected at high resolution onto an X-ray detector. <?>By means of this combination, it is still possible in conjunction with a high resolution free from image defects simultaneously to release at the sample point on the imaging side a satisfactorily high level of X-ray energy, thus producing the short exposure times necessary for the examination of living cells.

IPC 1-7
G21K 7/00

IPC 8 full level
G21K 1/06 (2006.01); **G21K 7/00** (2006.01); **H04N 5/225** (2006.01); **H04N 5/32** (2006.01)

CPC (source: EP US)
G21K 7/00 (2013.01 - EP US)

Cited by
US6128364A; WO2009030390A1; WO9725723A3; WO9508174A1

Designated contracting state (EPC)
AT CH DE FR GB LI NL SE

DOCDB simple family (publication)
EP 0475098 A2 19920318; EP 0475098 A3 19920722; EP 0475098 B1 19960207; AT E134065 T1 19960215; DE 4027285 A1 19920305; DE 59107380 D1 19960321; JP 3133103 B2 20010205; JP H04262300 A 19920917; US 5222113 A 19930622

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EP 91113635 A 19910814; AT 91113635 T 19910814; DE 4027285 A 19900829; DE 59107380 T 19910814; JP 21487691 A 19910827; US 75179291 A 19910829