

Title (en)

DEVICE FOR GENERATING ULTRA-SHORT X-RAY PULSES

Title (de)

VORRICHTUNG ZUR ERZEUGUNG VON ULTRAKURZEN RÖNTGENSTRAHLEN-IMPULSEN

Title (fr)

DISPOSITIF DE G N RATION D'IMPULSIONS ULTRA-COURTES DE RAYONNEMENT X

Publication

**EP 0916236 A1 19990519 (FR)**

Application

**EP 97935647 A 19970729**

Priority

- FR 9701413 W 19970729
- FR 9609577 A 19960730

Abstract (en)

[origin: WO9805189A1] A device for generating ultra-short X-ray pulses is disclosed. The device includes means (54) for generating a pulsed X-ray beam, means (56) for converting said beam into a substantially parallel beam, first and second multilayer lamellar X-ray arrays (60, 62) in mutually optically conjugated positions, and X-ray focusing means (64, 66) having a common focus and arranged between the arrays. The second array provides the ultra-short pulses. The device is useful for characterising media.

IPC 1-7

**H05G 2/00**; **G21K 1/06**

IPC 8 full level

**G21K 1/06** (2006.01); **H05G 2/00** (2006.01)

CPC (source: EP)

**B82Y 10/00** (2013.01); **G21K 1/06** (2013.01); **G21K 1/062** (2013.01)

Citation (search report)

See references of WO 9805189A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**WO 9805189 A1 19980205**; EP 0916236 A1 19990519; FR 2752101 A1 19980206; FR 2752101 B1 19981009

DOCDB simple family (application)

**FR 9701413 W 19970729**; EP 97935647 A 19970729; FR 9609577 A 19960730