

Title (en)

PARALLAX-FREE GAS-FILLED X-RAY DETECTOR

Publication

EP 0340126 B1 19930804 (FR)

Application

EP 89420149 A 19890425

Priority

FR 8806018 A 19880427

Abstract (en)

[origin: EP0340126A1] The invention relates to a gas-filled X-ray detector for analysing matter by studying the diffraction of the X-rays. <??>To minimise parallax errors without using difficult-to-manufacture spherical auxiliary electrodes, it is proposed to generate a radial field throughout the gas-filled space (40) solely with the aid of entrance electrodes (36) brought to appropriate potentials and with the aid of lateral electrodes (44) also brought individually to appropriate potentials. By modifying the potentials the centre of the spherical equipotentials can be displaced to allow parallax error-free analysis of samples (20) placed at variable distances (D) from the entrance window (32) of the detector. <IMAGE>

IPC 1-7

H01J 47/00; H01J 47/06

IPC 8 full level

H01J 37/244 (2006.01); **G01T 1/18** (2006.01); **H01J 47/00** (2006.01); **H01J 47/06** (2006.01); **H01J 49/06** (2006.01)

CPC (source: EP US)

H01J 47/008 (2013.01 - EP US); **H01J 47/06** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0340126 A1 19891102; EP 0340126 B1 19930804; DE 68907993 D1 19930909; DE 68907993 T2 19940324; FR 2630829 A1 19891103; JP H02177243 A 19900710; US 4954710 A 19900904

DOCDB simple family (application)

EP 89420149 A 19890425; DE 68907993 T 19890425; FR 8806018 A 19880427; JP 10713289 A 19890426; US 34362789 A 19890427