

Title (en)

Ionization chamber with high sensitivity for gamma radiation

Title (de)

Ionisationskammer mit hoher Empfindlichkeit für Gammastrahlung

Title (fr)

Chambre d'ionisation à haute efficacité de détection de rayonnement gamma

Publication

EP 0619597 B1 19970108 (FR)

Application

EP 94400716 A 19940401

Priority

FR 9304118 A 19930407

Abstract (en)

[origin: EP0619597A1] The invention relates to an ionisation chamber for the detection of gamma radiation, including: - an enclosure (1) made of aluminium and of lead and filled with argon under a pressure of 5 to 10 bar, and - two electrodes (3,4) located inside the enclosure, these electrodes being electrically insulated and separated from each other in order to create an electric field (E) between them and allow the passage, through this electric field, of ionising particles which produce ions which can be collected via the said electrodes. Application to nuclear reactors and to nuclear fuel reprocessing plants. <IMAGE>

IPC 1-7

H01J 47/02

IPC 8 full level

G01T 1/185 (2006.01); **H01J 47/02** (2006.01)

CPC (source: EP)

H01J 47/02 (2013.01)

Cited by

CN104919338A

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0619597 A1 19941012; **EP 0619597 B1 19970108**; DE 69401374 D1 19970220; DE 69401374 T2 19970626; FR 2703790 A1 19941014; FR 2703790 B1 19950524; JP H075267 A 19950110

DOCDB simple family (application)

EP 94400716 A 19940401; DE 69401374 T 19940401; FR 9304118 A 19930407; JP 6727794 A 19940405