

Title (en)
IONIZATION CHAMBER, MEASURING SEQUENCE FOR THE ACTIVITY OF A GAS EMITTING RADIATION BETA AND METHOD USING SAME

Title (de)
IONISATIONSKAMMER, MESSKETTE ZUR MESSUNG DER AKTIVITÄT EINES BETA-STRAHLEN EMITTIERENDEN GASES UND DESSEN ANWENDUNGSVERFAHREN

Title (fr)
CHAMBRE D'IONISATION, CHAÎNE DE MESURE D'ACTIVITÉ D'UN GAZ ÉMETTEUR DE RAYONNEMENT BETA ET PROCÉDE DE MISE EN ŒUVRE DE CELLE-CI

Publication
EP 1171902 A1 20020116 (FR)

Application
EP 00920825 A 20000418

Priority
• FR 0001001 W 20000418
• FR 9904962 A 19990420

Abstract (en)
[origin: FR2792772A1] The ionization chamber comprises a cathode wire wound on the periphery of non-magnetic insulating disks (36,37) mounted on the ends of an anode (35). The cylindrical ionization chamber has an anode rod (35) surrounded by a cathode (38), both being connected to respective elements of a chamber base flange (41). The chamber has two cylindrical non-magnetic insulating disks (36,37) coaxial with and arranged perpendicularly on the ends of the anode (35), the cathode (38) being in the form of a wire wound on the periphery of the two disks. Independent claims are also included for the following: (i) (i) a measuring system, comprising the above ionization chamber, for measuring the activity of a beta -radiation emitting gas; and (ii) a method of operating the above ionization chamber.

IPC 1-7
H01J 47/02

IPC 8 full level
G01T 1/185 (2006.01); **H01J 47/02** (2006.01)

CPC (source: EP US)
H01J 47/026 (2013.01 - EP US)

Citation (search report)
See references of WO 0063948A1

Designated contracting state (EPC)
BE DE GB IT SE

DOCDB simple family (publication)
FR 2792772 A1 20001027; FR 2792772 B1 20010518; CA 2370992 A1 20001026; CA 2370992 C 20120131; DE 60020952 D1 20050728; DE 60020952 T2 20060511; EP 1171902 A1 20020116; EP 1171902 B1 20050622; JP 2002542587 A 20021210; JP 4584463 B2 20101124; US 6734433 B1 20040511; WO 0063948 A1 20001026

DOCDB simple family (application)
FR 9904962 A 19990420; CA 2370992 A 20000418; DE 60020952 T 20000418; EP 00920825 A 20000418; FR 0001001 W 20000418; JP 2000612983 A 20000418; US 95804101 A 20011003