

Title (en)

HIGH-POWER NEGATIVE ION GENERATOR IN A GASEOUS MEDIUM WITH A HIGH-INTENSITY ELECTRIC FIELD CONFIGURATION

Publication

**EP 0259220 B1 19910320 (FR)**

Application

**EP 87401923 A 19870824**

Priority

FR 8612448 A 19860829

Abstract (en)

[origin: US4816684A] The invention relates to high-powered negative ion generator in a gaseous medium with a high-strength electric field configuration. This high-powered negative ion generator in a gaseous medium with a high-strength electric field configuration comprising two self-contained subsystems: a source of very high negative dc voltage (THT) which is capable of supplying the current required for the second subsystem; an electron optics unit comprising the points emitting electrons (Pte) and the various components (S1, P1, P2, P3) which cannot be separated and which create the configuration of the electric field required for the result it is desired to achieve.

IPC 1-7

**H01T 23/00**

IPC 8 full level

**H01T 23/00** (2006.01)

CPC (source: EP US)

**H01T 23/00** (2013.01 - EP US)

Cited by

FR2687858A1

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0259220 A1 19880309; EP 0259220 B1 19910320**; AT E61892 T1 19910415; DE 3768740 D1 19910425; ES 2022406 B3 19911201; FR 2603428 A1 19880304; FR 2603428 B1 19921120; GR 3002173 T3 19921230; US 4816684 A 19890328

DOCDB simple family (application)

**EP 87401923 A 19870824**; AT 87401923 T 19870824; DE 3768740 T 19870824; ES 87401923 T 19870824; FR 8612448 A 19860829; GR 910400855 T 19910620; US 8964687 A 19870825