Title (en)

MICROWAVE WAVE GENERATOR DEVICE WITH OSCILLATING VIRTUAL CATHODE, WITH AXIAL GEOMETRY, COMPRISING AT LEAST ONE REFLECTOR AND A MAGNETIC RING, WHICH IS CONFIGURED TO BE POWERED BY A HIGH-IMPEDANCE GENERATOR

Title (de)

MIKROWELLENGENERATOR MIT OSZILLIERENDER VIRTUELLER KATHODE, MIT ACHSGEOMETRIE, MIT MINDESTENS EINEM REFLEKTOR UND EINEM MAGNETRING MIT KONFIGURATION ZUR ANSTEUERUNG DURCH EINEN HOCHOHMIGEN GENERATOR

Title (fr)

DISPOSITIF GÉNÉRATEUR D'ONDES MICROONDES À CATHODE VIRTUELLE OSCILLANTE, À GÉOMÉTRIE AXIALE, COMPORTANT AU MOINS UN RÉFLECTEUR ET UNE BAGUE MAGNÉTIQUE, CONFIGURÉ POUR ÊTRE ALIMENTÉ PAR UN GÉNÉRATEUR À FORTE IMPÉDANCE

Publication

EP 3087580 B1 20180214 (FR)

Application

EP 14830991 A 20141219

Priority

- FR 1363456 A 20131223
- FR 2014053471 W 20141219

Abstract (en)

[origin: WO2015097384A1] The present application relates to a microwave wave generator with oscillating virtual cathode, with axial geometry, comprising at least one first reflector (F1) positioned in a cylindrical waveguide (105) downstream of a thin anode (104), positioned at the entrance of the cylindrical waveguide (105), between a cathode (102) and the cylindrical waveguide (105). The device furthermore comprises a tight magnetic ring (112) of width (LM) along the longitudinal axis z, positioned externally around the cylindrical waveguide (105), between the thin anode (104) and the first reflector (F1).

IPC 8 full level

H01J 25/74 (2006.01)

CPC (source: EP US)

H01J 25/32 (2013.01 - EP US); **H01J 25/74** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 3015767 A1 20150626; **FR 3015767 B1 20160205**; EP 3087580 A1 20161102; EP 3087580 B1 20180214; ES 2669270 T3 20180524; US 2017032922 A1 20170202; US 9697979 B2 20170704; WO 2015097384 A1 20150702

DOCDB simple family (application)

FR 1363456 A 20131223; EP 14830991 A 20141219; ES 14830991 T 20141219; FR 2014053471 W 20141219; US 201415106982 A 20141219