

Title (en)

Cathode for electromagnetic wave generator with mutually mobile regions

Title (de)

Kathode für einen Erzeuger elektromagnetischer Wellen mit gegenseitig verschiebbaren Teilen

Title (fr)

Cathode pour dispositif de génération d'ondes électromagnétiques, comprenant des régions d'émission mobiles les unes par rapport aux autres

Publication

**EP 2747118 B1 20170111 (FR)**

Application

**EP 13195691 A 20131204**

Priority

FR 1203486 A 20121219

Abstract (en)

[origin: EP2747118A1] The cathode (18) has a set of emission areas (42A, 42B) electrically connected to each other, so that the areas are at same electric potential. Each emission area is adapted to emit electrons when the areas are subjected to electric field with intensity greater than a threshold value. One of the emission areas is movable with respect to another emission area between a deployed position, in which the former emission area is away from the latter emission area, and a retracted position, in which the former emission area is adjacent to the latter emission area. An independent claim is also included for a device for generating electromagnetic waves.

IPC 8 full level

**H01J 25/593** (2006.01); **H01J 23/05** (2006.01)

CPC (source: EP)

**H01J 23/05** (2013.01); **H01J 25/593** (2013.01)

Cited by

CN105118764A; CN105355525A

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)

**EP 2747118 A1 20140625; EP 2747118 B1 20170111**; FR 2999798 A1 20140620; FR 2999798 B1 20150123

DOCDB simple family (application)

**EP 13195691 A 20131204**; FR 1203486 A 20121219