

Title (en)

Device for generating microwaves with dual cathodes

Title (de)

Vorrichtung zur Erzeugung von Hyperfrequenzwellen mit zwei Kathoden

Title (fr)

Dispositif de génération d'ondes hyperfréquences à double cathodes

Publication

EP 2747117 B1 20210623 (FR)

Application

EP 13197779 A 20131217

Priority

FR 1203487 A 20121219

Abstract (en)

[origin: EP2747117A2] The device (10) has an anode (20) and a cathode (16) separated by an interaction space (22). The cathode emits electrons in the space when subjected to an electric field (E) of a higher intensity than a threshold value. Another cathode (18) is provided between the former cathode and the anode, and emits other electrons in the space when subjected to the electric field of a higher intensity than another threshold value. The anode attracts the electrons. A fuel system for power supply of the cathodes establishes a potential difference between the cathodes.

IPC 8 full level

H01J 23/05 (2006.01); **H01J 25/587** (2006.01)

CPC (source: EP)

H01J 23/05 (2013.01); **H01J 25/587** (2013.01)

Cited by

US2017169982A1; US9711315B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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