

Title (en)

ELECTRON GUN FOR MICROWAVE GENERATORS

Publication

**EP 0124395 B1 19880127 (FR)**

Application

**EP 84400614 A 19840327**

Priority

FR 8305603 A 19830406

Abstract (en)

[origin: US4563615A] An electron gun of the type comprising two electrodes facing each other and brought to different potentials so as to create therebetween a continuous electric field and a cathode positioned in the extension of the electrode at negative or zero potential and brought to the same potential as this latter, the assembly being subjected to a magnetic field perpendicular to the electric field. In the plane perpendicular to the magnetic field, at least one of said electrodes has a divergent profile so that the distance between electrodes increases from the cathode towards the outside of the gun.

IPC 1-7

**H01J 23/075**

IPC 8 full level

**H01J 23/06** (2006.01); **H01J 23/075** (2006.01); **H01J 25/00** (2006.01)

CPC (source: EP US)

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Cited by

US5245250A

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

**FR 2544127 A1 19841012; FR 2544127 B1 19851213**; DE 3469101 D1 19880303; EP 0124395 A1 19841107; EP 0124395 B1 19880127; JP H0443371 B2 19920716; JP S6041734 A 19850305; US 4563615 A 19860107

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**FR 8305603 A 19830406**; DE 3469101 T 19840327; EP 84400614 A 19840327; JP 6782784 A 19840406; US 59599384 A 19840402