

Title (en)

BROADBAND POWER MICRO-WAVE TUBE

Title (de)

BREITBANDIGE HOCHFREQUENZLEISTUNGSRÖHRE

Title (fr)

TUBE HYPERFREQUENCE DE PUISSANCE A LARGE BANDE

Publication

**EP 1305811 B1 20051005 (FR)**

Application

**EP 01949529 A 20010626**

Priority

- FR 0102017 W 20010626
- FR 0008254 A 20000627

Abstract (en)

[origin: FR2810788A1] An electron gun (10) sends electrons, preferably generated by a number of pointed field emission cathodes, to an input waveguide (11) where they are directly density-modulated by an input signal (Pe). The electrons are accelerated and then pass into a second, output, waveguide (12) at a higher potential than the first guide. Preferably at least one waveguide is a molded type and both guides function in their fundamental mode and have the same cut-off frequency.

IPC 1-7

**H01J 23/36; H01J 25/00**

IPC 8 full level

**H01J 25/00** (2006.01)

CPC (source: EP)

**H01J 25/00** (2013.01); **H01J 2225/38** (2013.01)

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