

Title (en)

Longitudinal interaction microwave tube with output cavity past the collector

Title (de)

Längswechselwirkungsbereich-Hochfrequenzröhre mit einem Ausgangshohlraum hinter den Kollektor

Title (fr)

Tube hyperfréquence à interaction longitudinale à cavité à sortie au delà du collecteur

Publication

**EP 0848409 B1 20030702 (FR)**

Application

**EP 97402974 A 19971209**

Priority

FR 9615158 A 19961210

Abstract (en)

[origin: EP0848409A1] The longitudinal interaction tube has an electron beam passing axially along a tube. The beam interacts with an output cavity (C5) having high frequency oscillations. The cavity has an additional side wall coupling (9) in a terminal wall (8) which electromagnetically connects the output cavity to the collector area (6), so that the high frequency wave circulates in the collector before being extracted.

IPC 1-7

**H01J 23/36**; **H01J 23/027**

IPC 8 full level

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