

Title (en)
Linear electron beam tubes

Title (de)
Lineare Elektronenstrahlröhren

Title (fr)
Tubes à faisceau d'électrons linéaires

Publication
EP 0753877 A2 19970115 (EN)

Application
EP 96304943 A 19960704

Priority
• GB 9514172 A 19950712
• GB 9515232 A 19950725

Abstract (en)
In a tube such as an IOT, an electron gun includes a cathode (2), grid (3) and an anode (4) surrounded by a resonant input cavity (5). A grid lead (10) supplies a voltage to the grid (3) and includes a filter comprising a capacitor (11) and inductor (12) which are both approximately one quarter wavelength long at a selected frequency to reduce or prevent rf leakage along the grid lead (10). The grid lead (10) is arranged to extend through the cavity (5) and is located within the interior space (7) which is surrounded by the outer part (6) of the annular cavity (5).

IPC 1-7
H01J 23/15; **H01J 25/04**

IPC 8 full level
H01J 23/15 (2006.01); **H01J 25/04** (2006.01)

CPC (source: EP)
H01J 23/15 (2013.01); **H01J 25/04** (2013.01)

Cited by
EP1020880A3; EP1024517A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 0753877 A2 19970115; **EP 0753877 A3 19970129**; CA 2181100 A1 19970113; CN 1146621 A 19970402; GB 2303245 A 19970212; GB 9614050 D0 19960904

DOCDB simple family (application)
EP 96304943 A 19960704; CA 2181100 A 19960712; CN 96110785 A 19960712; GB 9614050 A 19960704