

Title (en)
Electron beam tubes

Title (de)
Elektronenstrahlröhre

Title (fr)
Tubes à faisceau d'électrons

Publication
EP 0707334 B1 19981118 (EN)

Application
EP 95306635 A 19950920

Priority
• GB 9420606 A 19941012
• GB 9421440 A 19941025

Abstract (en)
[origin: EP0707334A1] A linear electron beam tube such as an IOT includes an input cavity (6) formed from an inner body portion (12) and an outer body portion (13) which are joined together by a ceramic cylinder (14.) The input cavity (6) surrounds an electron gun (1) and permits electrical connection to be made to the cathode (2) and grid (3) via parts (20 and 21) of the inner body portion (12). Metallisation layers (18,19,23 and 24) in conjunction with the intervening ceramic material of the cylinder (14) define rf chokes. The construction enables high voltage parts of the arrangement to be insulated from the low voltage outer body portion whilst presenting a low leakage path for r.f. energy within the cavity (6).
<IMAGE>

IPC 1-7
H01J 23/38; **H01J 25/04**; **H01J 23/54**

IPC 8 full level
H01J 23/38 (2006.01); **H01J 23/54** (2006.01); **H01J 25/04** (2006.01)

CPC (source: EP)
H01J 23/38 (2013.01); **H01J 23/54** (2013.01); **H01J 25/04** (2013.01); **H01J 2223/15** (2013.01)

Cited by
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EP 0707334 A1 19960417; **EP 0707334 B1 19981118**; CA 2159253 A1 19960413; CA 2159253 C 20051108; CN 1062976 C 20010307; CN 1136705 A 19961127; DE 69506073 D1 19981224; DE 69506073 T2 19990415

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