

Title (en)  
Electron gun assembly

Title (de)  
Elektronenkanonenvorrichtung

Title (fr)  
Dispositif de canon à électrons

Publication  
**EP 0957505 A3 20020731 (EN)**

Application  
**EP 99303558 A 19990506**

Priority  
GB 9809819 A 19980509

Abstract (en)  
[origin: GB2337152A] An electron gun assembly, e.g. for an IOT, includes a cathode 1, control grid 5 located in front of it and a focus electrode 6. The control electrode 5 is integral with a cylindrical support 11 and formed of pyrolytic graphite. Similarly, the focus electrode 6 is integral with a cylindrical support 16 and is formed of molybdenum. The control grid 5 and focus electrode 6 are in electrical contact with one another and are mounted on a common mount 15 located behind the front face of the cathode 1, giving a simple structure having low thermally capacity and being mechanically robust.

IPC 1-7  
**H01J 21/10**; H01J 3/02

IPC 8 full level  
**H01J 23/065** (2006.01)

CPC (source: EP)  
**H01J 23/065** (2013.01); **H01J 2225/04** (2013.01)

Citation (search report)  
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**GB 2337152 A 19991110**; **GB 9910501 D0 19990707**; CA 2271253 A1 19991109; EP 0957505 A2 19991117; EP 0957505 A3 20020731;  
GB 9809819 D0 19980708

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