

Title (en)  
Electron gun assembly

Title (de)  
Elektronenkanonenvorrichtung

Title (fr)  
Dispositif de canon à électrons

Publication  
**EP 0957505 A2 19991117 (EN)**

Application  
**EP 99303558 A 19990506**

Priority  
GB 9809819 A 19980509

Abstract (en)  
An electron gun assembly 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 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. <IMAGE>

IPC 1-7  
**H01J 21/10**

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

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

Cited by  
US6664720B2; WO02086936A1; WO03038854A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**GB 2337152 A 19991110; GB 9910501 D0 19990707**; CA 2271253 A1 19991109; EP 0957505 A2 19991117; EP 0957505 A3 20020731; GB 9809819 D0 19980708

DOCDB simple family (application)  
**GB 9910501 A 19990506**; CA 2271253 A 19990507; EP 99303558 A 19990506; GB 9809819 A 19980509