

Title (en)  
ELECTRON BEAM EXIT WINDOW.

Title (de)  
ELEKTRONENSTRAHLAUSTRITTSFENSTER.

Title (fr)  
FENETRE DE SORTIE POUR FAISCEAU ELECTRONIQUE.

Publication  
**EP 0646283 A1 19950405 (DE)**

Application  
**EP 93911733 A 19930503**

Priority  
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• DE 4219562 A 19920615

Abstract (en)  
[origin: DE4219562C1] Owing to their necessary thickness, prior art electron beam exit windows (Lenard windows) have a high absorption or require cooling systems and expensive supporting structures. The aim is to provide a window which is easy to make with low absorption which avoids these problems. The beam exit aperture is given a vacuum-tight seal in the prior art manner using a metal foil while on the vacuum side a supporting grid of highly heatproof fibre strands secured in a frame is fitted to bear against it. The electron beam exit window is particularly suitable for relative low electron energies with high power density.

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**H01J 33/04**; **H01J 5/18**

IPC 8 full level  
**H01J 5/18** (2006.01); **H01J 33/04** (2006.01)

CPC (source: EP US)  
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Cited by  
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