

Title (en)  
Electron beam devices.

Title (de)  
Elektronenstrahlanlagen.

Title (fr)  
Installation à faisceau d'électrons.

Publication  
**EP 0637832 A1 19950208 (EN)**

Application  
**EP 94305852 A 19940805**

Priority  
GB 9316353 A 19930806

Abstract (en)  
An electron beam device comprises a cold cathode 1, modulation means 2 and an anode 3. The components of the device have a longitudinal configuration and enable an electron beam produced by the cathode 1 to be transversely modulated with a microwave signal transmitted along the modulator waveguide structure 2. The modulated output may be propagated along the elongate anode 3 or may be arranged to propagate through the anode substrate 5 and interface directly with an antenna or other circuit element. <IMAGE>

IPC 1-7  
**H01J 25/78**

IPC 8 full level  
**H01J 25/00** (2006.01); **H01J 25/78** (2006.01); **H01J 37/073** (2006.01)

CPC (source: EP)  
**H01J 25/78** (2013.01); **H01J 2223/02** (2013.01); **H01J 2223/027** (2013.01); **H01J 2223/04** (2013.01); **H01J 2223/36** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
DE FR NL

DOCDB simple family (publication)  
**EP 0637832 A1 19950208**; GB 2280780 A 19950208; GB 9316353 D0 19930929; GB 9415790 D0 19940928; JP H07169424 A 19950704

DOCDB simple family (application)  
**EP 94305852 A 19940805**; GB 9316353 A 19930806; GB 9415790 A 19940804; JP 18553994 A 19940808