

Title (en)  
Controllable high-power electron tube.

Title (de)  
Steuerbare Hochleistungs-Elektronenröhre.

Title (fr)  
Tube électronique à haute puissance réglable.

Publication  
**EP 0496008 B1 19950913 (DE)**

Application  
**EP 91100661 A 19910121**

Priority  
EP 91100661 A 19910121

Abstract (en)  
[origin: US5206565A] In a controllable high-power electron tube in the form of a tetrode, the anode direct voltage is reduced to less than 10 kV with an anode efficiency of greater than 80%. The tube includes coaxially arranged electrodes including a cylindrical indirectly heated full walled matrix cathode containing BaO, a cylindrical control grid, a cylindrical screen grid and an anode, where the spacing between the control grid and the cathode and the spacing between the control grid and the screen grid is less than 1 mm. Such a tube can be used for achieving AM broadcast transmitters which are distinguished by a compact construction, the overall efficiency remaining largely unchanged.

IPC 1-7  
**H01J 21/14**; H01J 19/14; H01J 19/42

IPC 8 full level  
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CPC (source: EP US)  
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