

Title (en)  
CATHODE WITH OPTIMISED THERMAL EFFICIENCY

Title (de)  
KATHODE MIT OPTIMIERTEM THERMISCHEN WIRKUNGSGRAD

Title (fr)  
CATHODE A RENDEMENT THERMIQUE OPTIMISE

Publication  
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Application  
**EP 01943582 A 20010607**

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Abstract (en)  
[origin: WO0199140A1] The invention concerns a cathode structure for cathode ray tube electron gun for quick ignition of the cathode and excellent thermal efficiency. The cathode comprises a closed chamber consisting of a cap (11) supporting the emitting part of the cathode and a cup-shaped skirt (14); the skirt has a concave inner surface so as to reflect by radiation the thermal energy accumulated by the skirt walls towards the cap zone supporting the emitting part.

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