

Title (en)  
Field emission lighting arrangement

Title (de)  
Feldemissionsbeleuchtungsanordnung

Title (fr)  
Agencement d'éclairage d'émission de champ

Publication  
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Application  
**EP 10197167 A 20101228**

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Abstract (en)  
The present invention relates to a field emission lighting arrangement, comprising an evacuated envelope inside of which an anode structure comprising a phosphor layer and a field emission cathode are arranged, the anode structure being configured to receive electrons emitted by the field emission cathode and to generate light when a voltage is applied between the anode structure and the field emission cathode, wherein the evacuated envelope comprises a light exit portion and a light reflective portion being adapted to reflect light generated at the anode structure, and the field emission lighting arrangement further comprises a heat sink arranged outside of the evacuated envelope and thermally coupled to the light reflective portion. Advantages with the invention includes increase lifetime of the field emission lighting arrangement.

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Citation (applicant)  
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