

Title (en)  
Improved structure of lamp

Title (de)  
Verbesserte Lampenstruktur

Title (fr)  
Structure de lampe améliorée

Publication  
**EP 1215735 A1 20020619 (EN)**

Application  
**EP 00311116 A 20001213**

Priority  
EP 00311116 A 20001213

Abstract (en)  
A lamp is constructed to include a base (12) adapted for connecting to an electric socket to obtain electricity, a shell (10) fastened to the base (12) and defining with the base an air-tight space, the shell (10) having an inside wall coated with a layer of phosphorescent coating (11), an electronic ballast installed in the base (12) and adapted to convert AC power supply into DC power supply, and at least one ultraviolet light emitting diode (14) suspended in the air-tight space and connected to the electronic ballast and adapted to produce ultraviolet light to strike the phosphorescent coating (11) in producing visible light upon connection of the base (12) upon connection of the electronic ballast to power supply. <IMAGE>

IPC 1-7  
**H01L 31/0203**; **F21K 7/00**; **F21V 3/04**; **H01J 61/42**; **F21K 2/00**

IPC 8 full level  
**F21K 2/00** (2006.01); **F21K 9/232** (2016.01); **F21K 9/64** (2016.01); **F21K 99/00** (2010.01); **H01J 61/42** (2006.01); **F21Y 107/00** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)  
**F21K 2/00** (2013.01 - EP US); **F21K 9/232** (2016.07 - EP US); **F21K 9/64** (2016.07 - EP US); **F21V 3/12** (2018.01 - EP US); **F21V 9/02** (2013.01 - EP US); **H01J 61/42** (2013.01 - EP); **F21Y 2107/00** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

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