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(54) **Luminous thin film having ultraviolet filtering and explosion-proofing for fluorescent lamps**

(57) A luminous lamp thin film having ultraviolet filtering and explosion-proof is disclosed. An outside of a lamp (10) is coated by a transparent layer (20) which comprises phosphor powder (30). Energy generated by the lamp (10) is absorbed by the phosphor powder (30) while the lamp is shining. The phosphor powder releases energy, so as to provide auxiliary lighting after turning off the lamp.

In addition, the phosphor powder can absorb harmful

ultraviolet and other harmful radiations with shorter wavelengths to be one part of the thin film for filtering harmful radiations. The harmful ultraviolet can be transformed by the phosphor powder into visible light to red shift radiations with short wavelengths; hence the harmful radiations with shorter wavelengths can be eliminated. The illumination of visible light can be further increased.

The transparent layer can catch broken fragments of the outside of the lamp to decrease accidents when the lamp is broken.

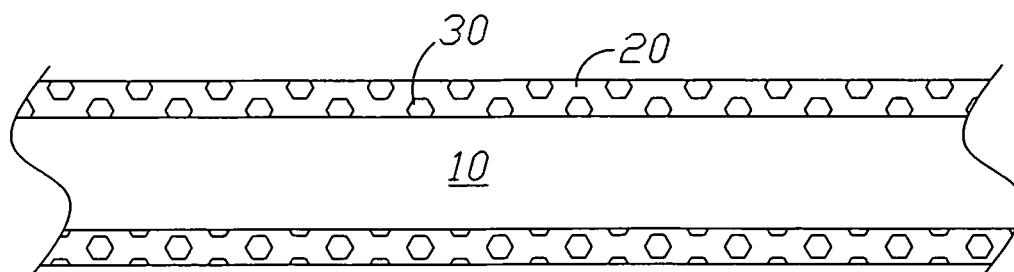


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 02 8436

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 23 July 2007	Examiner Smith, Christopher
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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