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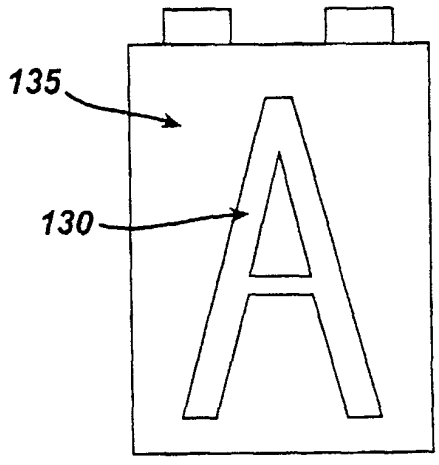
(54) Outdoor electroluminescent display devices

(57) A device structure and method for outdoor signs utilizing organic light emitting device (OLED) technology. Exemplary embodiments of the device include an OLED (100) that is patterned into a sign combined with an exterior layer consisting of a highly scattering (130), non-absorbing coating over the OLED emitting regions and a highly absorbing coating (135) over the non-emitting regions. The result is a sign that can be viewed using organic electroluminescent (EL) light under low ambient light level conditions, and due to the exterior coating, can also be viewed under high ambient light conditions.

FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 01 30 5028

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	11 September 2003	Drouot-Onillon, M-C

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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L : document cited for other reasons

& : member of the same patent family, corresponding document

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 01 30 5028

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11-09-2003

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	户外电致发光显示装置		
公开(公告)号	EP1164817A3	公开(公告)日	2003-11-12
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[标]申请(专利权)人(译)	通用电气公司		
申请(专利权)人(译)	通用电气公司		
当前申请(专利权)人(译)	通用电气公司		
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IPC分类号	H05B33/02 H01L51/50 H01L51/52 H05B33/10 H05B33/12 H05B33/22 H01L51/20		
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其他公开文献	EP1164817A2 EP1164817B1		
外部链接	Espacenet		

摘要(译)

一种利用有机发光器件（OLED）技术的户外标志的器件结构和方法。该装置的示例性实施例包括OLED（100），其被图案化成符号，该外部层由在OLED发光区域上方的高散射（130）非吸收涂层和在其上方的高吸收涂层（135）组成。非发光区域。结果是在低环境光水平条件下可以使用有机电致发光（EL）光观察的标志，并且由于外部涂层，也可以在高环境光条件下观察。