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(54) **Novel light emitting layers for LED devices based on high T_g Polymer matrix compositions**

(57) A light emitting device includes: (a) a light emitting layer including an electroluminescent organic material dispersed in a matrix, wherein the matrix contains a non-electroluminescent organic polymer having a T_g of at least 170°C, and each of the organic polymer and the electroluminescent organic material constitutes at least 20 percent by weight of the light emitting layer; and (b) electrodes in electrical communication with the light emitting layer and configured to conduct an electric charge through the light emitting layer such that the light emitting layer emits light. A method for manufacturing a flexible organic light emitting device, includes providing the light emitting layer and providing electrodes above and below the light emitting layer, wherein the electrodes are in electrical communication with the light emitting layer.

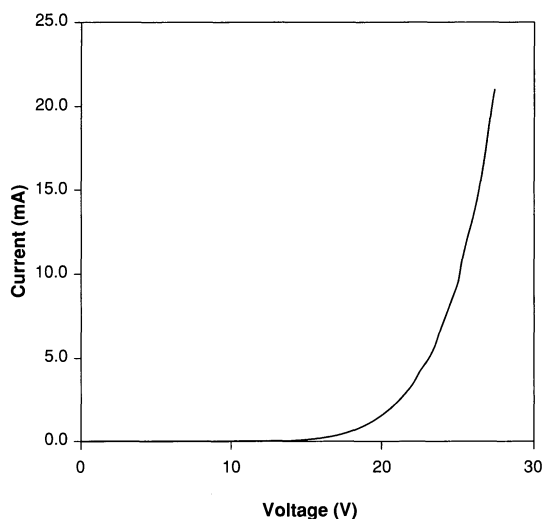


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 03 02 1036

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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D,Y	EP 0 755 957 A (AIR PROD & CHEM [US]) 29 January 1997 (1997-01-29) * page 3, line 25 - page 12, line 54; table 3 *	2-7, 24-29	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 30 July 2009	Examiner Welter, Steve
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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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 02 1036

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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专利名称(译)	用于基于高Tg聚合物基质组合物的LED器件的新型发光层		
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CPC分类号	H01L51/0043 H01L51/0035 H01L51/0037 H01L51/0073 H01L51/0097 H01L51/5012 H01L2251/308 Y02E10/549 Y02P70/521		
代理机构(译)	KADOR & PARTNER		
优先权	10/253108 2002-09-23 US		
其他公开文献	EP1401035A2		
外部链接	Espacenet		

摘要(译)

发光器件包括：(a) 发光层，其包括分散在基质中的电致发光有机材料，其中基质含有Tg至少为170°C的非电致发光有机聚合物，以及每种有机聚合物和电致发光有机材料占发光层重量的至少20%；(b) 与发光层电连通并配置成通过发光层传导电荷使得发光层发光的电极。一种制造柔性有机发光器件的方法，包括提供发光层和在发光层上方和下方提供电极，其中电极与发光层电连通。

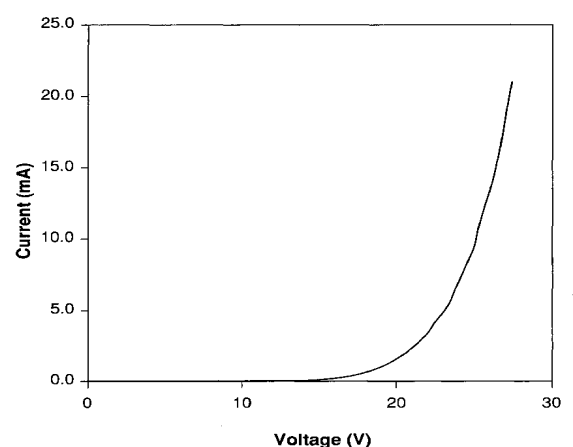


FIG. 1