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(54) Organic electroluminescent device and display apparatus

(57) An organic EL device has an anode (2), a cathode (6), and a polymer luminescent layer (4) disposed between the anode (2) and the cathode (6), and containing a host molecule and a luminescent dye molecule, the

host molecule being formed of a π -electron conjugated polymer having a carbon-fluorine bond, at least one type of luminescent dye molecule being selected from the group consisting of a transition metal complex and a linear π -electron conjugated molecule.

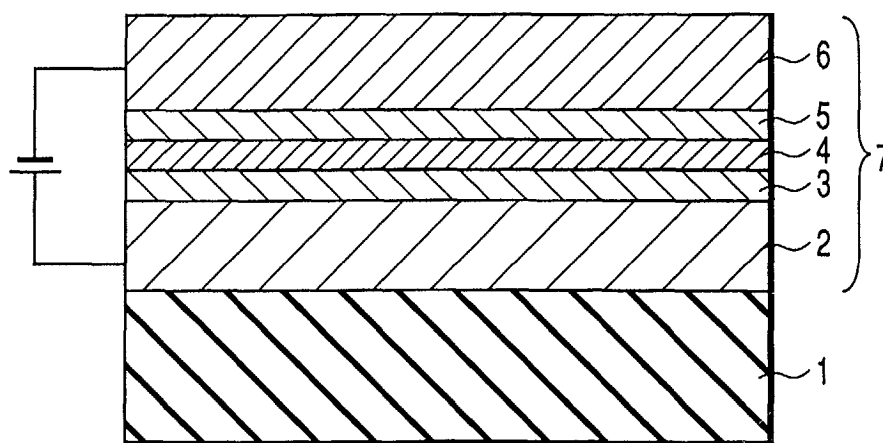


FIG. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
D,A	US 5 756 224 A (BOERNER HERBERT F DR [DE] ET AL) 26 May 1998 (1998-05-26) * the whole document * -----	1,2,11	INV. H01L51/20 H01L51/30 H01L27/00
A	KR 2000 032 683 A (KOREA ELECTRONICS TELECOMM) 15 June 2000 (2000-06-15) * the whole document *	1,2,11	
T	-& US 6 495 273 B1 (HWANG DO HOON [KR] ET AL) 17 December 2002 (2002-12-17) * the whole document * -----	1,2,11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H01L
Place of search		Date of completion of the search	Examiner
The Hague		17 October 2006	Wolfbauer, Georg
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPC FORM 1503 03.82 (P04C01)

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

EP 01 31 0877

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

17-10-2006

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专利名称(译)	有机电致发光器件和显示装置		
公开(公告)号	EP1220341A3	公开(公告)日	2006-11-22
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申请(专利权)人(译)	株式会社东芝		
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IPC分类号	H01L51/20 H01L51/30 H01L27/00 H05B33/14 H01L51/00 H01L51/50		
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优先权	2000402663 2000-12-28 JP		
其他公开文献	EP1220341A2 EP1220341B1		
外部链接	Espacenet		

摘要(译)

有机EL器件具有阳极(2)，阴极(6)和设置在阳极(2)和阴极(6)之间并含有主体分子和发光染料分子的聚合物发光层(4)，主体分子由具有碳-氟键的 π -电子共轭聚合物形成，至少一种发光染料分子选自过渡金属配合物和线性 π -电子共轭分子。

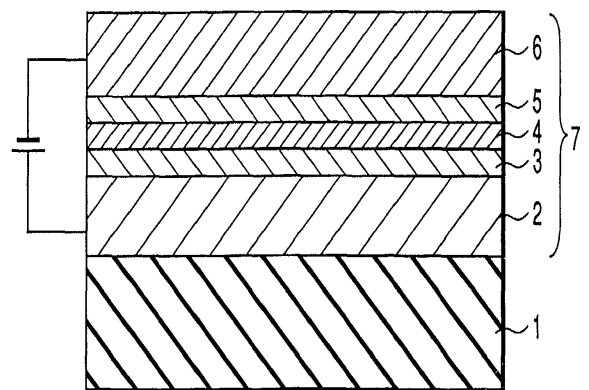


FIG.1