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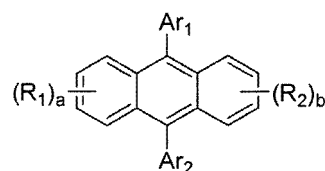
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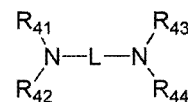
(54) **Organic electroluminescent device using organic electroluminescent compounds**

(57) The present invention relates to an organic electroluminescent device comprising an organic layer interposed between an anode and a cathode on a substrate, wherein the organic layer comprises an electroluminescent layer comprising one or more host compound(s) represented by Chemical Formula (1) and one or more dopant compound(s) represented by Chemical Formula (2):

Chemical Formula 1



Chemical Formula 2



The organic electroluminescent device according to the present invention exhibits long life, high efficiency and high luminance with good color purity and lowered operation voltage, as well as enhanced stability of device.



EUROPEAN SEARCH REPORT

Application Number
EP 09 15 4749

DOCUMENTS CONSIDERED TO BE RELEVANT			
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X	EP 1 753 271 A1 (IDEMITSU KOSAN CO [JP]) 14 February 2007 (2007-02-14) * paragraphs [0025], [0035] - [0039], [0044], [0088], [0090], [0094]; example 1 *	1,3,7-15	
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A	DE 10 2006 013802 A1 (MERCK PATENT GMBH [DE]) 27 September 2007 (2007-09-27) * paragraph [0025]; claims 1,4,11-14 *	1-15	TECHNICAL FIELDS SEARCHED (IPC) C09K H01L
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 2 March 2010	Examiner Delaporte, P
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 03/02 (P04C01)

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

EP 09 15 4749

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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02-03-2010

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专利名称(译)	使用有机电致发光化合物的有机电致发光器件		
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当前申请(专利权)人(译)	GRACEL显示增量.		
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CPC分类号	C09K11/06 C09B1/00 C09B57/00 C09B57/008 C09B57/10 C09K2211/1011 C09K2211/1014 C09K2211/1029 H01L51/0058 H01L51/006 H01L51/0081 H01L51/5012 H05B33/14 Y02E10/549		
优先权	1020080024056 2008-03-14 KR		
其他公开文献	EP2100940A2		
外部链接	Espacenet		

摘要(译)

本发明涉及一种有机电致发光器件，其包括插入在基板上的阳极和阴极之间的有机层，其中所述有机层包括电致发光层，所述电致发光层包含一种或多种由化学式(1)表示的主体化合物和一种由化学式(2)表示的更多掺杂剂化合物：根据本发明的有机电致发光器件具有长寿命，高效率和高亮度，具有良好的色纯度和降低的操作电压，以及增强的器件稳定性。

Chemical Formula 1

