

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2010/244062 A1 (UENO SHIGEHIRO [JP]) 30 September 2010 (2010-09-30)	1-3,7,8	INV. H01L51/50
Y	* paragraphs [0044] - [0046], [0048] - [0053], [0076] - [0104], [0132]; example 1 *	4-6,9-13	H01L51/52 H01L27/32 B82Y15/00 H01L33/06
Y	----- WO 2011/147522 A1 (MERCK PATENT GMBH [DE]; PAN JUNYOU [DE]; SCHULTE NIELS [DE]; EBERLE TH) 1 December 2011 (2011-12-01) * page 15, line 29 - page 53, line 36; examples QD-LED1 *	1-13	
Y	----- CN 103 346 266 A (SHENZHEN HUAXING OPTOELECT TEC) 9 October 2013 (2013-10-09) * paragraphs [0009] - [0023], [0050] - [0067] * & US 2014/374696 A1 (LIU YAWEI [CN] ET AL) 25 December 2014 (2014-12-25) * paragraphs [0009] - [0023], [0050] - [0067] *	1-13	
Y	----- MARCEL GEORGIN ET AL: "Differential effects of [beta]-mercaptoethanol on CdSe/ZnS and InP/ZnS quantum dots", PHYSICAL CHEMISTRY CHEMICAL PHYSICS., vol. 15, no. 25, 10 May 2013 (2013-05-10), page 10418, XP055394407, GB ISSN: 1463-9076, DOI: 10.1039/c3cp50311a * abstract *	4-6	TECHNICAL FIELDS SEARCHED (IPC) H01L
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search The Hague		Date of completion of the search 28 July 2017	Examiner Welter, Steve
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 14 83 5682

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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28-07-2017

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专利名称(译)	显示面板和显示设备		
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CPC分类号	H01L51/5036 B82Y15/00 H01L27/3211 H01L27/322 H01L33/06 H01L51/502 H01L51/5056 H01L51/5072 H01L51/5092 H01L2251/5369		
审查员(译)	韦尔特, 史蒂夫		
优先权	201310739893.7 2013-12-27 CN		
其他公开文献	EP3091588A1		
外部链接	Espacenet		

摘要(译)

本发明属于显示技术领域，尤其涉及一种显示面板和显示装置。显示面板包括驱动基板和设置在驱动基板上的OLED，OLED包括第一电极和第二电极，并且还包括电子传输层，发光层和设置在第一电极之间的空穴传输层第二电极和多个颜色转换单元均匀分布在电子传输层，发光层或空穴传输层中。本发明的有益效果如下：利用颜色转换单元直接掺杂到空穴传输层，发光层和电子传输层中的任何一个中的结构，显示面板的结构和相应的制造工艺是简化，显示面板的色纯度和载流子迁移率得到有效提高。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to:	Classification of the document (IPC)
X	US 2010/244062 A1 (HENO SHIGEHRO [JP]) 30 September 2010 (2010-09-30) * paragraphs: [0044] - [0046]; [0048] - [0053]; [0076] - [0104]; [0132]; example 1	1-3, 7, 8	INV. H01L51/50 H01L51/52
Y	WO 2011/147522 A1 (MERCK PATENT GMBH [DE]; PAN JUNKUN [DE]; SCHULTE HEIS [DE]; EBERLE TH) 1 December 2011 (2011-12-01) * page 32, line 29 - page 53, line 36; examples QD-LED1 *	4-6, 9-13	H01L27/32 B82Y15/00 H01L33/06
Y	CN 103 346 266 A (SHENZHEN HUANG OPTOELECT TEC) 9 October 2014 (2013-10-09) * paragraphs: [0005] - [0023]; [0050] - [0067]	1-13	
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Y	MARCE GEORGIN ET AL. "DIFFERENTIAL EFFECTS OF [delta] CAPTIVATION ON C60/70 AND P10/215 QUANTUM DOTS PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol. 19, no. 25, 10 May 2013 (2013-05-10), page 10416. XP055394407. GB ISSN: 1463-9076. DOI: 10.1039/c3cp50311a * abstract *		

The supplementary search report has been filed on the last day of the search period.

The Hague 28 July 2017 Helder, Steve