

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 16 82 1110

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	EP 2 869 355 A1 (LUMIOTEC INC [JP]) 6 May 2015 (2015-05-06) * claim 15 * * examples 1, 7,8 * * figures 1-16 * * paragraphs [0022], [0020], [0034], [0061], [0062], [0091], [0092] * * the whole document *	1-9	INV. H05B33/12 H01L51/50 H05B33/04 C09K11/06
X	EP 1 670 083 A2 (TOYOTA JIDOSHOKKI KK [JP]) 14 June 2006 (2006-06-14) * paragraph [0114] *	1-9	
X	US 2007/099026 A1 (LEE JUN Y [KR] ET AL) 3 May 2007 (2007-05-03) * claims 9,13 * * examples 2,3 * * figure 4 *	1-9	
X	KR 2011 0065062 A (KOREA ELECTRONICS TELECOMM [KR]) 15 June 2011 (2011-06-15) * paragraphs [0064] - [0066] * * the whole document *	1-9	TECHNICAL FIELDS SEARCHED (IPC) C09K
A	EP 1 656 000 A1 (SAMSUNG SDI CO LTD [KR]) 10 May 2006 (2006-05-10) * example 1 * * the whole document *	1-9	
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 17 August 2017	Examiner Ziegler, Jan
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			

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

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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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17-08-2017

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专利名称(译)	白光发光有机EL板及其制造方法		
公开(公告)号	EP3197243A4	公开(公告)日	2017-09-27
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审查员(译)	齐格勒JAN		
优先权	2015137272 2015-07-08 JP		
其他公开文献	EP3197243B1 EP3197243A1		
外部链接	Espacenet		

摘要(译)

本发明提供一种白色发光有机EL面板及其制造方法，该白色发光有机EL面板具有高显色性并且色调稳定性优异。本发明涉及一种包括发光功能层的面板，所述发光功能层从阳极层侧朝向阴极侧蓝色发光单元，连接层和阴极侧红绿色发光单元依次具有阳极侧红色发光单元阴极层侧。连接层是在阳极侧蓝色发光单元侧注入电子并在施加电流时向阴极侧红绿色发光单元侧注入空穴的层。阴极侧红绿色发光单元包括红绿色磷光发光层，该红绿色磷光发光层是由红色磷光材料，绿色磷光材料和用于磷光发光层的主体材料组成的复合层。红色磷光材料的最大发射峰值波长与绿色磷光材料的最大发射峰值波长相差60nm或更多，并且该面板能够发射具有一般显色指数Ra和特殊的白光。根据JIS Z 8726的显色指数R9，两者都大于或等于90。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 2 869 355 A1 (LUMITEC INC [JP]) 6 May 2015 (2015-05-06) * claim 15 * examples 1, 7, 8 * figures 1, 16 * [0061], [0062], [0022], [0023], [0034], [0061], [0062], [0091], [0092] * the whole document *	1-9	INV. H05B33/12 H01L51/50 H05B33/04 C09K11/06
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X	US 2007/099026 A1 (LEE JUN Y [KR] ET AL) 3 May 2007 (2007-05-03) * claims 9, 13 * examples 2, 3 * figure 4	1-9	
X	KR 2011 0065062 A (KOREA ELECTRONICS TELECOM [KR]) 15 June 2011 (2011-06-15) * paragraphs [0064], [0066] * the whole document *	1-9	TECHNICAL FIELD RELATED ART C09K
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The supplementary search report has been based on the last search results valid and available at the start of the search.

Place of search	Date of completion of the search	Searcher
The Hague	17 August 2017	Ziegler, Jan

NOTES ON THE DOCUMENTS

1. If a document is relevant to a claim, it is marked with an 'X'.

2. If a document is relevant to a claim, it is marked with an 'A'.

3. If a document is relevant to a claim, it is marked with an 'X'.

4. If a document is relevant to a claim, it is marked with an 'A'.

5. If a document is relevant to a claim, it is marked with an 'X'.

6. If a document is relevant to a claim, it is marked with an 'A'.

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8. If a document is relevant to a claim, it is marked with an 'A'.

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10. If a document is relevant to a claim, it is marked with an 'A'.

11. If a document is relevant to a claim, it is marked with an 'X'.

12. If a document is relevant to a claim, it is marked with an 'A'.

13. If a document is relevant to a claim, it is marked with an 'X'.

14. If a document is relevant to a claim, it is marked with an 'A'.

15. If a document is relevant to a claim, it is marked with an 'X'.

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17. If a document is relevant to a claim, it is marked with an 'X'.

18. If a document is relevant to a claim, it is marked with an 'A'.

19. If a document is relevant to a claim, it is marked with an 'X'.

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