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(71) Applicant: **Universal Display Corporation**
Ewing, NJ 08618 (US)

(72) Inventors:
• **Ma, Bin**
Ewing, NJ 08618 (US)
• **DeAngelis, Alan**
Ewing, NJ 08618 (US)
• **Xia, Chuanjun**
Ewing, NJ 08618 (US)

(74) Representative: **Maiwald Patentanwalts GmbH**
Engineering
Elisenhof
Elisenstrasse 3
80335 München (DE)

(54) **Novel organic light emitting materials**

(57) Novel phosphorescent metal complexes containing 2-phenylisoquinoline ligands with at least two substituents on the isoquinoline ring are provided. The dis-

closed compounds have low sublimation temperatures that allow for ease of purification and fabrication into a variety of OLED devices.

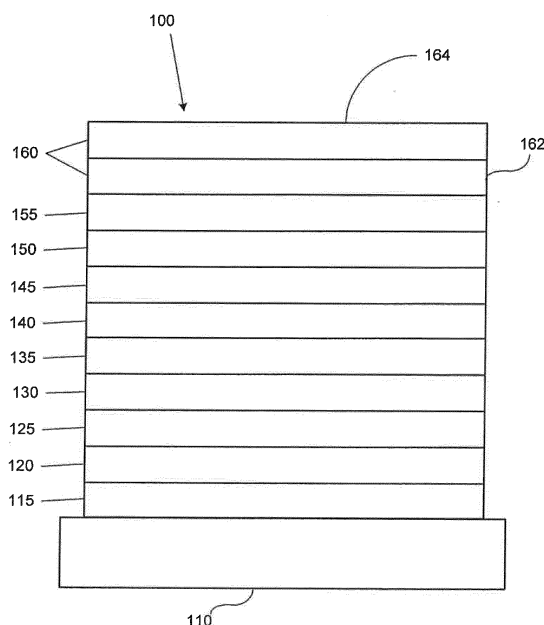


FIGURE 1



EUROPEAN SEARCH REPORT

 Application Number
EP 12 19 6136

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	KR 2011 0077350 A (LG DISPLAY CO LTD [KR]) 7 July 2011 (2011-07-07)	1-4, 6-10, 12-15	INV. C09K11/06
A	* paragraphs [0018], [0042], [0043], [0058]; claims *	5,11	
X	EP 1 535 981 A2 (SAMSUNG SDI CO LTD [KR]) 1 June 2005 (2005-06-01) * claim 1; compound 20 *	1,6-8, 12-15	
X	US 2008/074033 A1 (IONKIN ALEX SERGEY [US] ET AL) 27 March 2008 (2008-03-27) * claim 25; table 1 *	1,6-8, 12-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			C09K H01L C07F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 19 December 2014	Examiner Baldé, Kaisa
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 03.92 (P04C01)

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

EP 12 19 6136

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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19-12-2014

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[标]发明人	MA BIN DEANGELIS ALAN XIA CHUANJUN		
发明人	MA, BIN DEANGELIS, ALAN XIA, CHUANJUN		
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优先权	13/316162 2011-12-09 US		
其他公开文献	EP2602302A2 EP2602302B1		
外部链接	Espacenet		

摘要(译)

提供了含有2-噻吩基异喹啉配体的新型磷光金属配合物，其在异喹啉环上具有至少两个取代基。所公开的化合物具有低升华温度，其允许易于纯化和制造各种OLED装置。

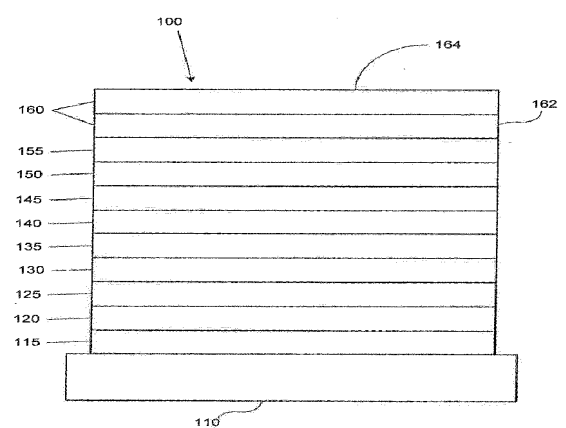


FIGURE 1