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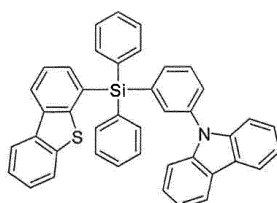
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(54) **Host materials for phosphorescent oleds**

(57) Novel aryl silicon and aryl germanium host materials are described. These compounds improve OLED device performance when used as hosts in the emissive layer of the OLED.



Compound 1

Formula I

FIGURE 3



EUROPEAN SEARCH REPORT

Application Number
EP 12 17 8243

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	WO 2010/079051 A1 (BASF SE [DE]; LANGER NICOLLE [DE]; SCHILDKNECHT CHRISTIAN [DE]; WATANA) 15 July 2010 (2010-07-15) * pages 22,111; claims 20,24,26; examples 1,2,14; compound first and fourth * -----	1-18	INV. H01L51/54
			TECHNICAL FIELDS SEARCHED (IPC)
			H01L
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 November 2015	Examiner Fratiloiu, Silvia
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 12 17 8243

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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18-11-2015

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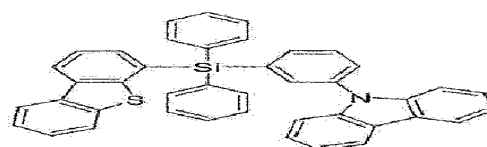
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	用于磷光油的主体材料		
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其他公开文献	EP2551932A2 EP2551932B1		
外部链接	Espacenet		

摘要(译)

描述了新的芳基硅和芳基锗主体材料。当这些化合物用作OLED的发射层中的主体时，这些化合物改善了OLED器件的性能。



Compound 1

Formula I

FIGURE 3