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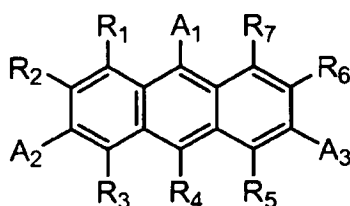
(71) Applicant: **Yamagata Promotional Organization
 for
 Industrial Technology
 Yamagata-shi, Yamagata 990-2473 (JP)**

(72) Inventors:
 • **Oda, Atsushi
 Yamagata-shi
 Yamagata 990-2743 (JP)**
 • **Kimura, Masato
 Yamagata-shi
 Yamagata 990-2743 (JP)**

(74) Representative: **HOFFMANN EITL
 Patent- und Rechtsanwälte
 Arabellastrasse 4
 81925 München (DE)**

(54) **organic electroluminescence material and element using the same**

(57) An organic EL element having one or a plurality of organic layers including a light emitting layer between a pair of electrodes is arranged such that at least one layer of the above-mentioned organic layers contains a compound as expressed by the following general formula (1) independently or as a mixture.



... (1)

(where, R₁-R₇ are selected from the group consisting of hydrogen, an alkyl group, a cycloalkyl group, an alkoxy group, a cycloalkoxy group, and an aryloxy group, and they may be the same groups or the groups different from one another, and A₁-A₃ are selected from the group consisting of a phenyl group which is either substituted or unsubstituted and a 5 or 6 member heterocyclic ring group which is either substituted or unsubstituted, and they may be the same groups or the groups different from one another.)

EP 2 075 308 A3



EUROPEAN SEARCH REPORT

Application Number
EP 08 02 1925

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2006/019116 A1 (CONLEY SCOTT R [US] ET AL) 26 January 2006 (2006-01-26) * claims 1-50 *	1-4	INV. C09K11/06 H05B33/14 C07C13/54 C07C15/28 H01L51/00
A	US 2004/170863 A1 (KIM KONG KYEOM [KR] ET AL) 2 September 2004 (2004-09-02) * claims 1-26 *	1-4	
			TECHNICAL FIELDS SEARCHED (IPC)
			C09K
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 10 March 2010	Examiner Mehdaoui, Imed
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	

2
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**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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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2006019116 A1	26-01-2006	NONE	

US 2004170863 A1	02-09-2004	NONE	

专利名称(译)	有机电致发光材料和使用它的元件		
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[标]发明人	ODA ATSUSHI KIMURA MASATO		
发明人	ODA, ATSUSHI KIMURA, MASATO		
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其他公开文献	EP2075308A2		
外部链接	Espacenet		

摘要(译)

在一对电极之间具有一个或多个包括发光层的有机层的有机EL元件被布置成使得至少一层上述有机层含有如下通式(1)所示的化合物独立地或作为混合物。(其中, R₁-R₇选自氢, 烷基, 环烷基, 烷氧基, 环烷氧基和芳氧基, 它们可以是相同的基团或彼此不同的基团) A₁-A₃选自取代或未取代的苯基和取代或未取代的5或6元杂环基团, 它们可以是相同的基团或不同的基团另一个。)

