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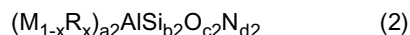
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(54) **Luminescent material and light-emitting device**

(57) A light-emitting device characterised by comprising:
a light-emitting element which exhibits light having a wavelength ranging from 250 to 500nm; and
a luminescent material layer disposed on the light-emitting element;

wherein the luminescent material layer comprises the luminescent material which exhibits a light emission peak in a wavelength ranging from 490 to 580 nm when excited with light having a wavelength ranging from 250 to 500 nm and has a composition represented by the following general formula (2):



(In the general formula (2), M is Sr, R is Eu and x, a2, b2, c2 and d2 satisfy the following relationships:
 $0 < x \leq 0.5$, $0.93 < a2 < 1.3$, $4.0 < b2 < 5.8$
 $0.6 < c2 < 1$, $6 < d2 < 11$).

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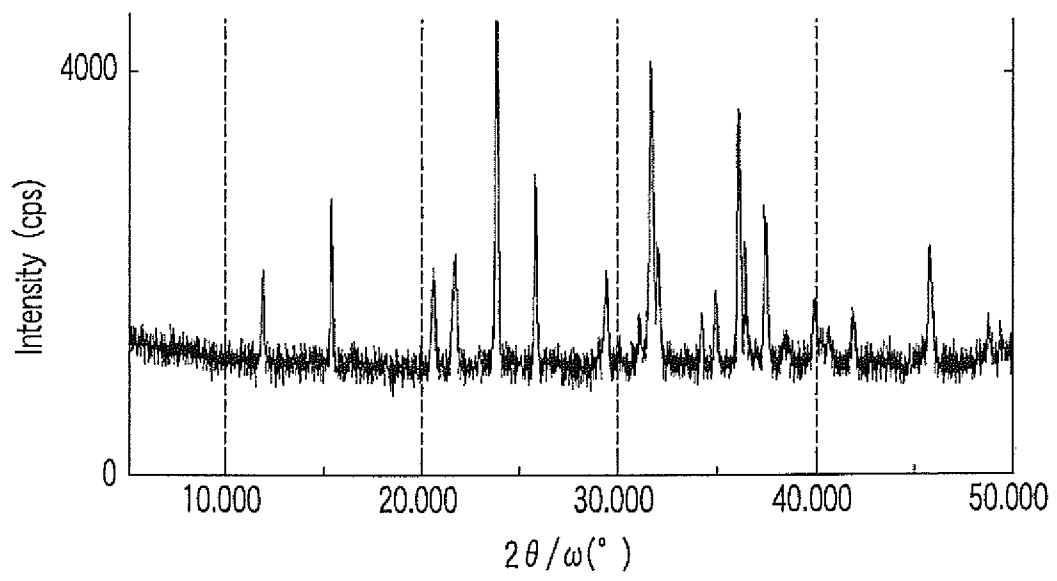


FIG. 1

**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 12 17 8121

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 2003/094893 A1 (ELLENS ANDRIES [NL] ET AL ELLENS ANDRIES [NL] ET AL) 22 May 2003 (2003-05-22) * claim 1 *	1,2,7-10	INV. C09K11/64 C09K11/08 C09K11/77
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A,P	WO 2006/073141 A1 (MATSUSHITA ELECTRIC IND CO LTD [JP]; OSHIO SHOZO) 13 July 2006 (2006-07-13) * claims 1-3 *	1,2,7-10	
-/--			TECHNICAL FIELDS SEARCHED (IPC)
			C09K
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out. Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
Munich		26 February 2013	Saldamli, Saltuk
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			

EPO FORM 1503 03.82 (P04E07)



PARTIAL EUROPEAN SEARCH REPORT

 Application Number
 EP 12 17 8121

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A,P	WO 2006/050232 A1 (GELCORE LLC [US]; SETLUR ANANT ACHYUT [US]; RADKOV EMIL VERGILOV [US];) 11 May 2006 (2006-05-11) * claim 1 *	1,2,7-10	
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A,P	WO 2006/126567 A1 (MITSUBISHI CHEM CORP [JP]; INDP ADMINISTRATIVE INST NIMS [JP]; HIROSAKI) 30 November 2006 (2006-11-30) * paragraph [0007]; claim 1 *	1,2,7-10	TECHNICAL FIELDS SEARCHED (IPC)
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**INCOMPLETE SEARCH
SHEET C**

Application Number

EP 12 17 8121

Claim(s) completely searchable:
1, 2, 7-10

Claim(s) not searched:
3-6

Reason for the limitation of the search:

In reply to the communication pursuant to Rule 62a(1) EPC, objection to the presence of multiple independent claims under Rule 43(2) EPC, the Applicant opted for the claims 1,2,7-10.

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

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The members are as contained in the European Patent Office EDP file on
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26-02-2013

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EPO FORM P0459

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

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专利名称(译)	发光材料和发光器件		
公开(公告)号	EP2518129A3	公开(公告)日	2013-04-03
申请号	EP2012178121	申请日	2007-03-09
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申请(专利权)人(译)	株式会社东芝		
当前申请(专利权)人(译)	株式会社东芝		
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IPC分类号	C09K11/64 C09K11/08 C09K11/77		
CPC分类号	C09K11/0883 C09K11/7734 H01L33/502 H01L2224/48091 H01L2924/00014		
优先权	2006065603 2006-03-10 JP		
其他公开文献	EP2518129A2 EP2518129B1		
外部链接	Espacenet		

摘要(译)

1.一种发光装置，其特征在于，具有发光元件，该发光元件具有波长250~500nm的光。发光材料层设置在发光元件上；其中发光材料层包括发光材料，当用波长范围为250-500nm的光激发时，该发光材料在490-580nm波长范围内显示出发光峰值，并具有由下列通式（2）表示的组成。：（M₁-xR_x）a₂AlSib₂Oc₂Nd₂（2）（通式（2）中，M为Sr，R为Eu，x，a₂，b₂，c₂和d₂满足下列关系：0<x≤0.5,0.93<a₂<1.3,4.0<b₂<5.8 0.6<c₂<1,6<d₂<11）。

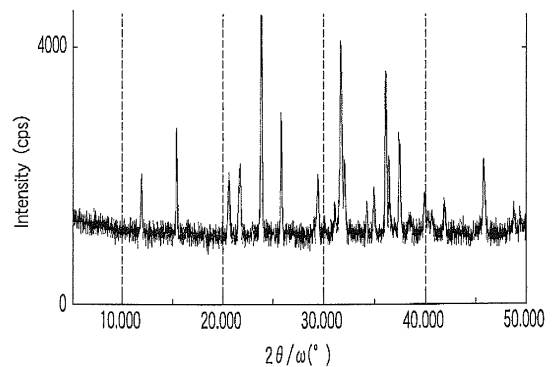


FIG.1