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**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 03 73 0540
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
P,X	WO 02/091814 A (UNIV PRINCETON ; UNIV SOUTHERN CALIFORNIA (US)) 21 November 2002 (2002-11-21) * the whole document *	1-4,6,7	H05B33/14 C09K11/06
P,X	----- US 2002/197511 A1 (FORREST STEPHEN R ET AL) 26 December 2002 (2002-12-26) * the whole document *	1-4,6,7	
P,X	----- Y. KAWAMURA ET.AL.: "Energy transfer in polymer electrophosphorescent light emitting devices with single and multiple doped luminescent layers" JOURNAL OF APPLIED PHYSICS, vol. 92, no. 1, 1 July 2002 (2002-07-01), XP002309059 * the whole document *	1,5-7	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H05B C09K
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims: Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search: see sheet C			
Place of search Munich		Date of completion of the search 6 December 2004	Examiner Doslik, N
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			



Claim(s) searched incompletely:
1-7

Reason for the limitation of the search:

Present claims 1-7 relate to a product/apparatus defined by reference to the following parameters:

center materials excitation lifetime of the light emission

The use of these parameters in the present context is considered to lead to a lack of clarity within the meaning of Article 84 EPC. It is impossible to compare the parameters the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible. Consequently, the search has been restricted to those parts of the claims disregarding the definition by said parameters and the examples.

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

EP 03 73 0540

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

06-12-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 02091814 A	21-11-2002	EP 1390962 A2	25-02-2004
		JP 2004522276 T	22-07-2004
		WO 02091814 A2	21-11-2002
		US 2002197511 A1	26-12-2002

US 2002197511 A1	26-12-2002	EP 1390962 A2	25-02-2004
		JP 2004522276 T	22-07-2004
		WO 02091814 A2	21-11-2002

专利名称(译)	有机发光元件和显示装置		
公开(公告)号	EP1400152A4	公开(公告)日	2005-02-02
申请号	EP2003730540	申请日	2003-05-21
[标]申请(专利权)人(译)	佳能株式会社		
申请(专利权)人(译)	佳能株式会社		
当前申请(专利权)人(译)	佳能株式会社		
发明人	MORIYAMA, TAKASHIC/O CANON KABUSHIKI KAISHA OKADA, SHINJIROC/O CANON KABUSHIKI KAISHA TSUBOYAMA, AKIRAC/O CANON KABUSHIKI KAISHA TAKIGUCHI, TAKAOC/O CANON KABUSHIKI KAISHA MIURA, SEISHIC/O CANON KABUSHIKI KAISHA IGAWA, SATOSHIC/O CANON KABUSHIKI KAISHA KAMATANI, JUNC/O CANON KABUSHIKI KAISHA IWAWAKI, HIRONOBU/O CANON KABUSHIKI KAISHA		
IPC分类号	H01L27/32 H01L51/50 H05B33/14 C09K11/06		
CPC分类号	H01L51/5016 H01L27/3244 H01L27/3281 H01L51/5036 Y10S428/917		
优先权	2002162343 2002-06-04 JP		
其他公开文献	EP1400152B1 EP1400152A1		
外部链接	Espacenet		

摘要(译)

提供一种有机发光元件，其包括在基板上形成的一对电极和包括在发光层中的至少两种或更多种发光中心材料之间的至少一个发光层，并且至少一个或更多的发光中心材料包括磷光发光材料，并且发射具有最短波长的光的发光中心材料的激发寿命短于其他发光中心材料的激发寿命，从而高效率可以获得不降低白光发射的色纯度的有机发光元件。

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P, X	US 2002/197511 A1 (FORREST STEPHEN R ET AL) 26 December 2002 (2002-12-26) * the whole document *	1-4, 6, 7	
P, X	Y. KAWAHARA ET AL.: "Energy transfer in polymer electrophosphorescent light emitting devices with single and multiple doped luminescent layers" JOURNAL OF APPLIED PHYSICS, VOL. 92, NO. 1, 1 July 2002 (2002-07-01), XP002309059 * the whole document *	1, 5-7	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELD SEARCHED (Int.Cl.7) H05B C09K
INCOMPLETE SEARCH			
The Search Division considers that the present application, or some or all of its claims, <u>deserve</u> not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following reasons:			
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Claims not searched :			
Reason for the limitation of the search: see sheet C			
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