



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)
Y	LAMANSKY S ET AL: "MOLECULARLY DOPED POLYMER LIGHT EMITTING DIODES UTILIZING PHOSPHORESCENT PT(II) AND IR(III) DOPANTS" ORGANIC ELECTRONICS, ELSEVIER, AMSTERDAM, NL, vol. 2, no. 1, March 2001 (2001-03), pages 53-62, XP001100541 ISSN: 1566-1199 * the whole document *	1,2,6-9	C07D221/10 C07D221/16 C09K11/06 H05B33/14 H05B33/12 C07F15/00
Y	BALDO M A ET AL: "Very high-efficiency green organic light-emitting devices based on electrophosphorescence" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 75, no. 1, 5 July 1999 (1999-07-05), pages 4-6, XP012023409 ISSN: 0003-6951 * the whole document *	1,2,6-9	
Y	DJUROVICH P I ET AL: "IR(III) CYCLOMETALATED COMPLEXES AS EFFICIENT PHOSPHORESCENT EMITTERS IN POLYMER BLEND AND ORGANIC LEDS" POLYMER PREPRINTS, AMERICAN CHEMICAL SOCIETY, US, vol. 41, no. 1, March 2000 (2000-03), pages 770-771, XP001052648 ISSN: 0032-3934 * the whole document *	1,2,6-9	TECHNICAL FIELDS SEARCHED (Int.Cl.7) C07D C07F C09K H05B
P,A	EP 1 191 612 A (CANON KABUSHIKI KAISHA) 27 March 2002 (2002-03-27) * claims; examples *	1-9	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search The Hague		Date of completion of the search 15 February 2005	Examiner Chouly, J
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
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 73 8730

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.

15-02-2005

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专利名称(译)	金属配位化合物和电致发光器件		
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申请号	EP2002738730	申请日	2002-06-17
[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		
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发明人	TAKIGUCHI, TAKAO TSUBOYAMA, AKIRA OKADA, SHINJIRO KAMATANI, JUN MIURA, SEISHI MORIYAMA, TAKASHI IGAWA, SATOSHI FURUGORI, MANABU MIZUTANI, HIDEMASA		
IPC分类号	H01L51/50 C07D221/10 C07D221/16 C07F15/00 C09K11/06 G09F9/30 H01L27/32 H01L51/00 H01L51/30 H05B33/14 H05B33/12		
CPC分类号	C07D221/16 C07D221/10 C09K11/06 C09K2211/1007 C09K2211/1011 C09K2211/1014 C09K2211/1018 C09K2211/1029 C09K2211/1044 C09K2211/1088 C09K2211/1092 C09K2211/181 C09K2211/185 H01L27/3244 H01L51/0059 H01L51/0062 H01L51/0081 H01L51/0084 H01L51/0085 H01L51/0087 H01L51/5016 H05B33/14 Y10S428/917		
代理机构(译)	VOLLNHALS , 奥里尔		
优先权	2001190662 2001-06-25 JP		
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摘要(译)

具有通式 ML_mL_n (1) 表示的基本结构的金属配位化合物 (其中M是Ir, Pt, Rh或Pd的金属原子; L和 L_n 表示互不相同的二齿配体; m是1、2; 或3; 和n为0、1或2, 条件是 $m + n$ 为2或3), 其中基本结构中至少一个二齿配体L具有通过经由具有2-10个碳的亚烷基缩合而形成的部分结构 提供了原子。 在由布置在阴极和阳极之间的一个或多个有机膜构成的电致发光器件中, 至少一层是通过混合由具有下式表示的结构 ML_mL_n 的金属配位化合物组成的发光分子而形成的发光层。 1) 作为主体材料中的客体材料。 通过该发光层, 可以提供产生高效率的发光并且长时间稳定地保持高亮度的电致发光装置。

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