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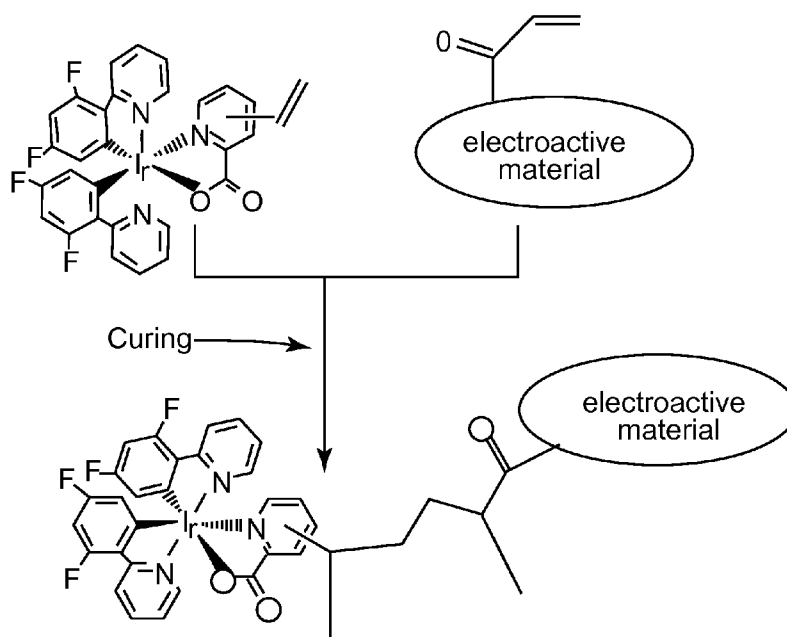
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[Continued on next page]

(54) Title: PHOSPHORESCENT LIGHT-EMITTING MATERIALS AND METHODS OF PREPARING



(57) Abstract: An organic composite (12) comprising an electroactive material and an organic phosphorescent dye. The electroactive material and organic phosphorescent dye have been functionalized in order that when they are mixed together (16) and a curing amount of radiation or heat is applied, the phosphorescent dye is covalently bonded to the crosslinked electroactive material. The method to prepare the organic composite is given. The invention is suitable for the mass production of any light management system. In one embodiment light emitting diodes are described.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/091862 A1 (TOKITO SHIZUO [JP] ET AL) 15 May 2003 (2003-05-15) examples 1,2,4	1,2,5-9, 12-17, 19,20
X	WO 2006/001150 A (SHOWA DENKO KK [JP]; TAKAHASHI YOSHIKI [JP]; KATO TSUYOSHI [JP]; SAK) 5 January 2006 (2006-01-05) claims 1-6; examples	1,2,5-9, 12-17, 19,20



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003091862	A1	15-05-2003	NONE
WO 2006001150	A	05-01-2006	NONE