



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,A	WO 02/26859 A (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED; TOWNS, CARL, ROBERT; MCKIERNAN,) 4 April 2002 (2002-04-04) * claims 1-18,31,33; example 4 * * formulae IV, V,VII, IX, X, XI, XIV, XV, XX, XXI * * page 16 * -----	1-67	C08G61/10 C08G61/12 C08G73/00 C08G73/06 C09K11/06
A	WO 01/05863 A (SRI INTERNATIONAL) 25 January 2001 (2001-01-25) * claims 1-13,29-34 * * formulae II-Va, XIV * -----	18-67	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C08G C09K
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		Date of completion of the search	Examiner
Munich		9 March 2005	Schütte, M
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			

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

EP 02 74 4167

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.

09-03-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0226859	A	04-04-2002	AU 8793901 A	08-04-2002
			EP 1322692 A1	02-07-2003
			WO 0226859 A1	04-04-2002
			JP 2004510039 T	02-04-2004
			TW 546317 B	11-08-2003
			US 2004024161 A1	05-02-2004

WO 0105863	A	25-01-2001	US 6414104 B1	02-07-2002
			EP 1218949 A1	03-07-2002
			JP 2003522371 T	22-07-2003
			WO 0105863 A1	25-01-2001
			WO 0106577 A1	25-01-2001
			US 6593687 B1	15-07-2003
US 2001053843 A1	20-12-2001			

专利名称(译)	电致发光聚合物及其在发光器件中的用途		
公开(公告)号	EP1401916A4	公开(公告)日	2005-04-27
申请号	EP2002744167	申请日	2002-05-22
[标]申请(专利权)人(译)	斯坦福研究院		
申请(专利权)人(译)	SRI国际公司		
当前申请(专利权)人(译)	SRI国际公司		
[标]发明人	PEI QIBING		
发明人	PEI, QIBING		
IPC分类号	H01L51/50 C08G61/00 C08G61/10 C08G61/12 C08G73/06 C09K11/06 H01L29/786 H01L51/05 H01L51/30 C08G73/00		
CPC分类号	C08G61/10 C08G61/122 C08G73/0627 C08G73/0633 C08G73/0638 C09K11/06 C09K2211/1003 C09K2211/1007 C09K2211/1014 C09K2211/1408 C09K2211/1416 C09K2211/1425 C09K2211/1458 H01G11/48 Y02E60/13 Y10S428/917		
优先权	09/864704 2001-05-23 US		
其他公开文献	EP1401916A1		
外部链接	Espacenet		

摘要(译)

本发明提供的共轭聚合物具有良好的溶解性和半导体性，并且显示出高的光致发光和电致发光效率。含有具有通式 (I) 结构的单体单元的代表性聚合物：其中：Ar 1和Ar 2独立地选自单环，双环和多环亚芳基，亚杂芳基，取代的亚芳基和取代的亚杂芳基；L为亚烷基，亚烯基，取代的亚烷基，取代的亚烯基，杂亚烷基，杂亚烯基，取代的亚杂烷基，取代的亚杂烯基，亚芳基，亚杂芳基，取代的亚芳基，取代的亚杂芳基或其组合；Q是杂原子；m为零或1；p为0或1，q为0或1，条件是当p为零时，则q为零；x为零或1；Q 1和Q 2独立地选自H，芳基，杂芳基，取代的芳基，取代的杂芳基，烷基，取代的烷基，杂烷基和取代的杂烷基，并且Q 3选自：由烷基，取代的烷基，杂烷基和取代的杂烷基组成，条件是当m为1时，Q 1和Q 2不是H；A - - 是带负电的反离子。电致发光和含有本发明聚合物的其他装置是还提供。

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, A	WO 02/26859 A (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED; TOWNS, CARL, ROBERT; MCKIERNAN, J) 4 April 2002 (2002-04-04) * claims 1-16, 31, 33; example 4 * formulae IV, V, VII, IX, X, XI, XIV, XV, XX, XXI * * page 16 *	1-57	C08G61/10 C08G61/12 C08G73/06 C08G73/06 C09K11/06	
A	WO 01/05863 A (SRI INTERNATIONAL) 25 January 2001 (2001-01-25) * claims 1-13, 29-34 * * formulae II-Va, XIV *	18-67		
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)	
			C08G C09K	
Place or date of search		Date of completion of the search		
Munich		9 March 2005		
Schütte, M				
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 D non-written document P intermediate document I theory or principle underlying the invention E earlier patent document, first published on, or after the filing date L document cited in the application O document cited for other reasons A: member of the same patent family, corresponding document				

1

FORM 002-01-0000