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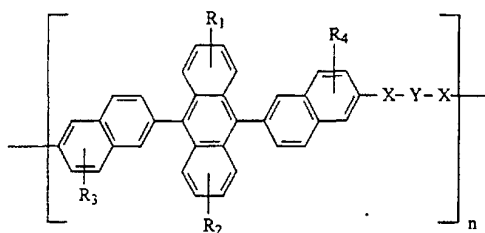
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(54) **Electroluminescent devices having naphthylanthracene-based polymers**

(57) An electroluminescent device comprises an anode, a cathode, and polymer luminescent materials disposed between the anode and cathode, the polymeric luminescent materials includes 9,10-di-(2-naphthyl)anthracene-based polymers of the following formula:



wherein:

R, R₁, R₂, R₃, and R₄ are each individually hydrogen, or alkyl, or alkoxy of from 1 to 24 carbon atoms; aryl or substituted aryl of from 6 to 28 carbon atoms; or heteroaryl or substituted heteroaryl of from 4 to 40 carbons; or F, Cl, or Br; or a cyano group; or a nitro group;

X is a linking group; and

Y includes one or more comonomer units that are a substituted or unsubstituted alkyl, alkenyl, aryl, or heteroaryl or a conjugated group.

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EUROPEAN SEARCH REPORT

Application Number
EP 00 20 3504

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)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C09K H05B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 4 February 2004	Examiner Pollio, 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			

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

EP 00 20 3504

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
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04-02-2004

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专利名称(译)	具有基于萘基蒽的聚合物的电致发光器件		
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IPC分类号	H01L51/50 C08G61/00 C08G63/189 C08G63/197 C08G63/685 C08G63/688 C08G64/06 C08G64/08 C08G65/40 C08G69/32 C08G71/02 C08G73/00 C08G73/02 C08G75/02 C08G75/20 C09K11/06 H01L51/00 H01L51/30 H05B33/14		
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优先权	09/421980 1999-10-20 US		
其他公开文献	EP1094101B1 EP1094101A2		
外部链接	Espacenet		

摘要(译)

一种电致发光器件，包括阳极，阴极和设置在阳极和阴极之间的聚合物发光材料，聚合物发光材料包括下式的9,10-二-（2-萘基）蒽基聚合物：其中：R，R₁，R₂，R₃和R₄各自独立地为氢，或具有1-24个碳原子的烷基或烷氧基；芳基或取代的芳基，具有6至28个碳原子；或4至40个碳的杂芳基或取代的杂芳基；或F，Cl或Br；或氰基；或硝基；X是一个连接组；Y包括一个或多个共聚单体单元，其是取代或未取代的烷基，烯基，芳基或杂芳基或共轭基团。

