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(54) **Using fiducial marks on a substrate for laser transfer of organic material from a donor to a substrate**

(57) A method of aligning a substrate (10) for use in manufacture of OLED displays with a laser (100) which produces a beam (74) that causes the transfer of organic material from a donor element to the substrate (10), including providing at least one fiducial mark (40) on the substrate; positioning the substrate relative to the laser and providing relative movement between the substrate and the laser and the laser beam until the laser beam impinges upon the fiducial mark; and detecting when the laser beam impinges upon the fiducial mark and determining the position and orientation of the substrate.

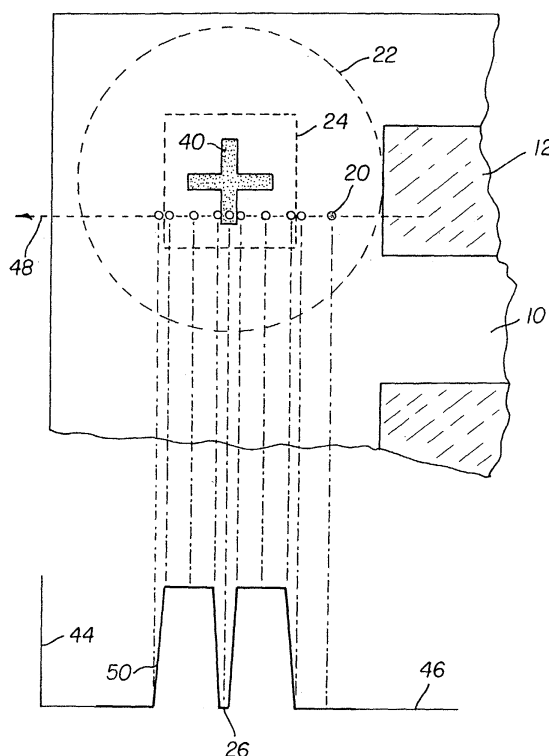


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 03 07 7590

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 0 883 190 A (EASTMAN KODAK CO [US]) 9 December 1998 (1998-12-09) * column 4, line 12 - column 7, line 8 * * column 8, line 13 - column 9, line 29; figures 2,3 *	1-10	INV. H01L51/20 H01L51/40
A	WO 00/14777 A (FED CORP [US]) 16 March 2000 (2000-03-16) * page 12, line 1 - line 13; figures 4-9 *	1-10	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01L H05B B41M
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 February 2009	Examiner Bakos, Tamás
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 03 07 7590

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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18-02-2009

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			US	5937272 A	10-08-1999

WO 0014777	A	16-03-2000	EP	1116260 A1	18-07-2001

专利名称(译)	在基板上使用基准标记，用于将有机材料从供体激光转移到基板		
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[标]申请(专利权)人(译)	伊斯曼柯达公司		
申请(专利权)人(译)	伊士曼柯达公司		
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优先权	10/230934 2002-08-29 US		
其他公开文献	EP1394872B1 EP1394872A2		
外部链接	Espacenet		

摘要(译)

一种将用于制造OLED显示器的基板(10)与激光器(100)对准的方法，该激光器产生使有机材料从供体元件转移到基板(10)的光束(74)，包括在基板上至少一个基准标记(40)；将基板相对于激光器定位并提供基板与激光器和激光束之间的相对运动，直到激光束照射在基准标记上；检测激光束何时撞击基准标记并确定基板的位置和方向。

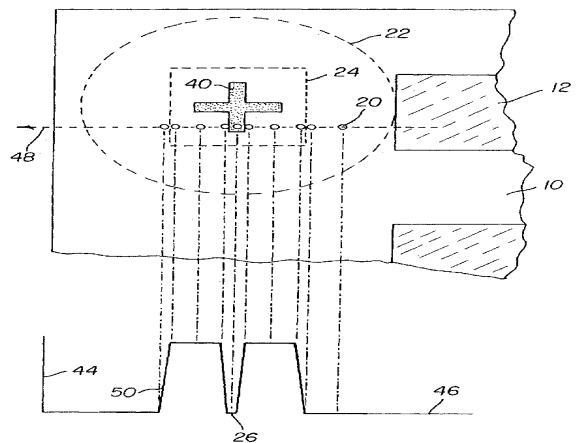


FIG. 2