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(54) Seal for light emitting display device and method

(57) A glass package (100) is disclosed comprising a first substrate (125) and a second substrate (120), where the substrates are attached in at least two locations (105,110), both attachments comprising frits, and wherein the frits comprise a glass portion comprising a

base component and at least one absorbing component. Also disclosed is a method of sealing a light emitting display device comprising providing a light emitting layer, a first substrate (125) and a second substrate (120), where frits (105, 110) are deposited between the substrates, and where the frits are sealed with a radiation source.

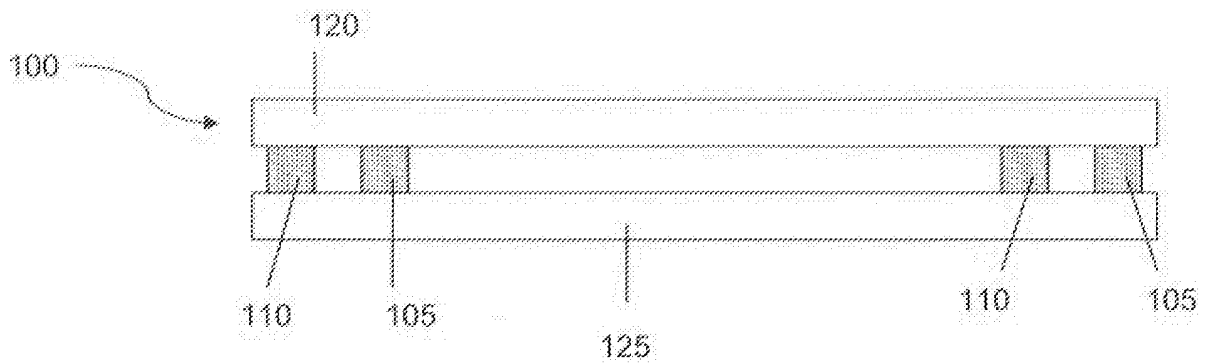


Figure 2

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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2005/050751 A2 (DU PONT [US]; TREMEL JAMES DANIEL [US]; HUBERT MATTHEW DEWEY [US]) 2 June 2005 (2005-06-02) * page 17, line 21 - line 38; figure 27 * * page 19, line 28 - page 20, line 17 * * page 8, line 20 - line 24 *	1-7,9-19	INV. H01L51/52
X	US 2005/269926 A1 (FUKUOKA NOBUHIKO [JP] ET AL) 8 December 2005 (2005-12-08) * paragraphs [0004], [0036], [0062] - [0066], [0071], [0077], [0079], [0081] - [0083], [0 86], [0092], [0112], [0121]; figures 1,3 *	1-3,5-7,9-15,17-19	
E	EP 1 814 182 A2 (SAMSUNG SDI CO LTD [KR]) 1 August 2007 (2007-08-01) * paragraph [0062] - paragraph [0065]; figures 2A,2B,2C * * paragraphs [0066], [0067]; figure 3B * * paragraphs [0007], [0008], [0015] *	1-19	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H01L H05B
Place of search		Date of completion of the search	Examiner
Munich		21 September 2010	Pusch, Catharina
CATEGORY OF CITED DOCUMENTS		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	
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			

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

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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.

21-09-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005050751 A2	02-06-2005	EP 1683209 A2	26-07-2006
		JP 2007516611 T	21-06-2007
		KR 20060113710 A	02-11-2006

US 2005269926 A1	08-12-2005	CN 1703123 A	30-11-2005
		JP 2005340020 A	08-12-2005

EP 1814182 A2	01-08-2007	CN 101009302 A	01-08-2007
		JP 2007200845 A	09-08-2007
		US 2007170845 A1	26-07-2007

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优先权	60/903902 2007-02-28 US		
其他公开文献	EP1965452A2		
外部链接	Espacenet		

摘要(译)

公开了一种玻璃封装 (100) , 包括第一基板 (125) 和第二基板 (120) , 其中基板附接在至少两个位置 (105,110) , 两个附件包括玻璃料, 并且其中玻璃料包括玻璃部分包含基础组分和至少一种吸收组分。还公开了一种密封发光显示装置的方法, 包括提供发光层, 第一基板 (125) 和第二基板 (120) , 其中玻璃料 (105,110) 沉积在基板之间, 并且其中玻璃料被密封带有辐射源。

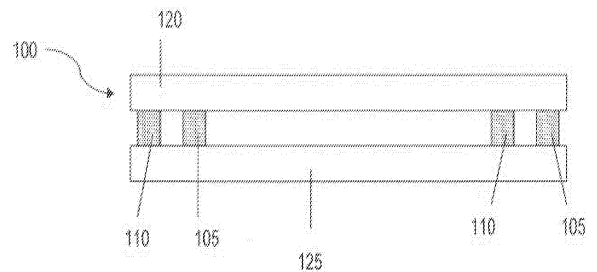


Figure 2