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(54) **Liquid crystal display device**

(57) A liquid crystal display (LCD) device includes first and second substrates (110, 210, 160, 260) facing each other, each of the first and second substrates having a first substrate having a display region (DR), a non-display region (NDR), and a seal pattern region disposed in the non-display region; a protection layer (140, 240) on the first substrate and having a first seal pattern groove (144, 244) in the seal pattern region; first and second dams (176, 178) on the second substrate (160, 260) and respectively disposed at both ends of the first seal pattern

groove (144, 244), the first and second dams (176, 178) configured to form a second seal pattern groove (174, 274) corresponding to the first seal pattern groove; a pixel electrode (150, 250) on the first substrate; a common electrode (166, 266) on one of the first and second substrates; a liquid crystal layer (180, 280) between the first and second substrates; and a seal pattern (190, 290) having one end inserted into the first seal pattern groove (144, 244) and the other end inserted into the second seal pattern groove (174, 274).

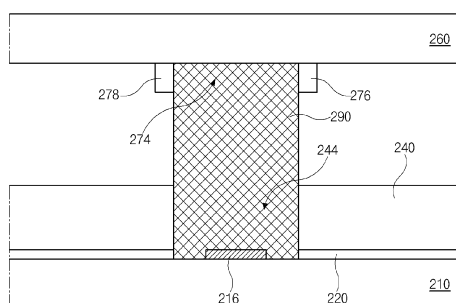


FIG 9



EUROPEAN SEARCH REPORT

Application Number
EP 14 17 9374

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	US 2006/001789 A1 (AHN BYUNG C [KR] AHN BYUNG CHUL [KR]) 5 January 2006 (2006-01-05) * and the corresponding text passages; figures 2,7A *	1-12	INV. G02F1/1339
A	US 2006/221291 A1 (HONG WANG-SU [KR] ET AL) 5 October 2006 (2006-10-05) * and the corresponding text passages; figures 2,3,14,18,19 *	1-12	
			TECHNICAL FIELDS SEARCHED (IPC)
			G02F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 28 November 2014	Examiner Lüssem, Georg
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.

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The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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外部链接	Espacenet		

摘要(译)

液晶显示 (LCD) 装置包括彼此面对的第一和第二基板 (110,210,160,260) , 第一和第二基板中的每一个具有具有显示区域 (DR) 的第一基板, 非显示区域 (NDR) 和设置在非显示区域中的密封图案区域;保护层 (140,240) 位于第一基板上并且在密封图案区域中具有第一密封图案凹槽 (144,244) ;第一和第二挡板 (176,178) 位于第二基板 (160,260) 上并分别设置在第一密封图案凹槽 (144,244) 的两端, 第一和第二挡板 (176,178) 构造成形成第二密封图案凹槽 (174,274) 对应于第一密封图案凹槽;第一基板上的像素电极 (150,250) ;第一和第二基板之一上的公共电极 (166,266) ;第一和第二基板之间的液晶层 (180,280) ;密封图案 (190,290) 的一端插入第一密封图案凹槽 (144,244) , 另一端插入第二密封图案凹槽 (174,274) 。

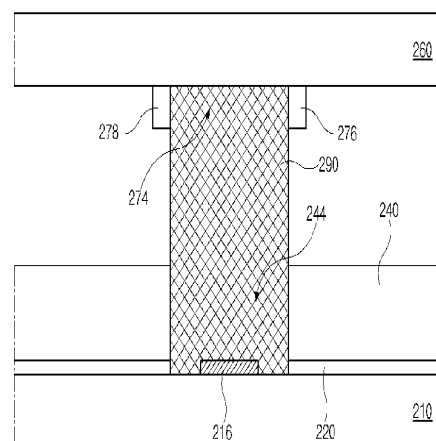


FIG 9