

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 14 86 1109

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	CN 102 879 957 A (BOE TECHNOLOGY GROUP CO LTD) 16 January 2013 (2013-01-16) * abstract; figures 7-9 * * paragraph [0039] * * paragraph [0054] - paragraph [0056] * * paragraph [0092] * * the whole document * -----	1-11	INV. G02F1/1335 G02F1/1343
			TECHNICAL FIELDS SEARCHED (IPC)
			G02F
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		17 January 2018	Wolfrum, 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			

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

EP 14 86 1109

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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17-01-2018

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 102879957	A	16-01-2013	NONE

专利名称(译)	半透射型液晶显示装置及其驱动方法		
公开(公告)号	EP3153918A4	公开(公告)日	2018-02-28
申请号	EP2014861109	申请日	2014-09-30
[标]申请(专利权)人(译)	京东方科技集团股份有限公司		
申请(专利权)人(译)	京东方科技集团股份有限公司.		
当前申请(专利权)人(译)	京东方科技集团股份有限公司.		
[标]发明人	GU YAOHUI		
发明人	GU, YAOHUI		
IPC分类号	G02F1/1335 G02F1/1343		
CPC分类号	G02F1/13731 G02F1/133553 G02F1/133555 G02F1/134363 G02F1/13439 G02F1/1393 G02F2001/134372 G02F2001/13793 G02F2203/09		
审查员(译)	WOLFRUM , GEORG		
优先权	201410246005.2 2014-06-04 CN		
其他公开文献	EP3153918A1		
外部链接	Espacenet		

摘要(译)

公开了一种半透半反液晶显示装置及其驱动方法。透反液晶显示装置包括：第一表面电极（103），第一像素电极（107），第二表面电极（113）和位于透射区域（A）中的第二像素电极（112）；第一表面电极（103）和第一像素电极（107）位于第一基板（102）和液晶层（110）之间，第二表面电极（113）和第二像素电极（112）位于第一基板（102）和液晶层（110）之间第二基板（104）和液晶层（110）。该装置还包括：第三表面电极（104），反射层（105）和位于反射区域（B）中的第三像素电极（108）；第三表面电极（104），反射层（105）和第三像素电极（108）位于第一基板（102）和液晶层（110）之间。显示装置的透射区域（A）和反射区域（B）中的液晶层（110）具有相等的厚度，从而大大降低了器件的工艺难度，同时保证了两个透射区域中的相同相位延迟。和反射区域。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant document	CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	1-11	INV: G02F1/1335 G02F1/1343
X	CN 102 879 957 A (BOE TECHNOLOGY GROUP CO LTD) 16 January 2013 (2013-01-16) ABSTRACT: 1. A liquid crystal display device, comprising: a first substrate (102) and a liquid crystal layer (110) between the first substrate (102) and a second substrate (104) and a liquid crystal layer (110) between the second substrate (104) and a liquid crystal layer (110); a first surface electrode (103) and a first pixel electrode (107) located between the first substrate (102) and the liquid crystal layer (110); a second surface electrode (113) and a second pixel electrode (112) located between the second substrate (104) and the liquid crystal layer (110); a third surface electrode (104), a reflection layer (105) and a third pixel electrode (108) located between the first substrate (102) and the liquid crystal layer (110); and a liquid crystal layer (110) having an equal thickness in the transmission region (A) and the reflection region (B) of the liquid crystal display device, thereby greatly reducing the difficulty of the device manufacturing process, and ensuring the same phase delay in the two transmission regions and the reflection region. *****		
The supplementary search report has been based on the last and the most relevant document.			
Date of search		17 January 2018	Wolfrum, Georg
CATEGORY OF CITED DOCUMENT		1. Document of the same family as the application 2. Document of the same family as the application 3. Document of the same family as the application 4. Document of the same family as the application 5. Document of the same family as the application 6. Document of the same family as the application 7. Document of the same family as the application 8. Document of the same family as the application 9. Document of the same family as the application 10. Document of the same family as the application 11. Document of the same family as the application 12. Document of the same family as the application 13. Document of the same family as the application 14. Document of the same family as the application 15. Document of the same family as the application 16. Document of the same family as the application 17. Document of the same family as the application 18. Document of the same family as the application 19. Document of the same family as the application 20. 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