

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 76 6728

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	EP 2 703 876 A1 (BEIJING BOE OPTOELECTRONICS [CN]) 5 March 2014 (2014-03-05) * figures 2 - 6 * * paragraphs [0019] - [0025] * * paragraph [0029] * * paragraphs [0031] - [0033] * * paragraphs [0035] - [0042] * * paragraphs [0044] - [0046] * * paragraph [0048] *	1-15	INV. G02F1/1333 G06F3/041 G06F3/044 G02B27/22
Y	US 2013/300705 A1 (GOO NAM-HEE [KR] ET AL) 14 November 2013 (2013-11-14) * figures 2 - 5, 13 * * paragraphs [0035] - [0040] * * paragraphs [0044] - [0046] * * paragraphs [0062] - [0064] * * paragraphs [0078] - [0083] * * paragraphs [0082] - [0083] *	1-15	
A	US 2014/211104 A1 (YANG SHENGJI [CN]) 31 July 2014 (2014-07-31) * figures 2, 4, 6 - 8 * * paragraphs [0024] - [0027] * * paragraphs [0033] - [0038] * * paragraph [0046] * * paragraphs [0050] - [0058] *	1-15	TECHNICAL FIELDS SEARCHED (IPC) G06F
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 Berlin		Date of completion of the search 28 March 2018	Examiner Sauer, Franziska
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 15 76 6728

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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28-03-2018

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 2703876	A1	05-03-2014	CN 102830555 A	19-12-2012
			EP 2703876 A1	05-03-2014
			US 2014063385 A1	06-03-2014

US 2013300705	A1	14-11-2013	CN 103389602 A	13-11-2013
			JP 6234686 B2	22-11-2017
			JP 2013235249 A	21-11-2013
			KR 20130125642 A	19-11-2013
			US 2013300705 A1	14-11-2013

US 2014211104	A1	31-07-2014	CN 103091909 A	08-05-2013
			US 2014211104 A1	31-07-2014

专利名称(译)	3D触控显示装置，其制造方法及其驱动方法		
公开(公告)号	EP3200013A4	公开(公告)日	2018-05-02
申请号	EP2015766728	申请日	2015-01-06
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IPC分类号	G02F1/1333 G06F3/041		
CPC分类号	G06F3/0412 G02F1/1333 G02F1/13338 G02F1/134309 G02F1/13439 G06F3/041 G06F3/0416 G06F3/044 G06F2203/04103 H04N13/31		
优先权	201410508803.8 2014-09-28 CN		
其他公开文献	EP3200013A1		
外部链接	Espacenet		

摘要(译)

本公开提供了一种三维（3D）触摸显示装置，其制造方法和驱动方法。触摸感应电极和液晶驱动电极交替排列在同一层并在3D光栅单元中彼此绝缘。触控感应电极和液晶驱动电极设置在绝缘层与第二基板之间，液晶驱动电极用于驱动液晶驱动电极与第一基板之间的液晶，以在显示阶段水平偏转。布置在第三或第四基板上的电极层被配置为在触摸阶段接收触摸驱动信号以便检测触摸操作，并且在显示阶段接收第一公共电极信号以显示图像。

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Y	EP 2 703 876 A1 (BEIJING BOE OPTOELECTRONICS [CN]) 5 March 2014 (2014-03-05) * figures 2 - 6 * paragraph [0029] * * paragraphs [0031] - [0033] * * paragraphs [0035] - [0042] * * paragraphs [0044] - [0046] * * paragraph [0048] *		1-15	INV. G06F1/1333 G06F3/041 G06F3/044 G06F3/22
Y	US 2013/300705 A1 (GOO NAM-HEE [KR] ET AL) 14 November 2013 (2013-11-14) * figures 2 - 5a, 13 * * paragraphs [0035] - [0040] * * paragraphs [0044] - [0046] * * paragraphs [0052] * * paragraphs [0075] - [0083] * * paragraph [0085] *		1-15	
A	US 2014/211104 A1 (YANG SHENGJI [CN]) 31 July 2014 (2014-07-31) * figures 2, 4, 6 - 8 * * paragraphs [0024] - [0027] * * paragraphs [0031] - [0038] * * paragraph [0046] * * paragraphs [0050] - [0058] *		1-15	TECHNICAL FIELD G06F GGFF
The supplementary search report has been prepared on the basis of the documents cited in the search report.				
1	Date of publication Berlin		Date of publication of the report 28 March 2018	
EXAMINER Sauer, Franziska			EXAMINER Sauer, Franziska	
CATEGORY OF CITED DOCUMENTS				
1	1. prior art document, not published on, or 2. prior art document, published on, or 3. document cited for its application 4. document cited for its disclosure 5. document cited for its disclosure 6. document cited for its disclosure 7. document cited for its disclosure 8. document cited for its disclosure 9. document cited for its disclosure 10. document cited for its disclosure			