

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 14 90 2297

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	US 2014/197382 A1 (KIM JONG YUN [KR] ET AL) 17 July 2014 (2014-07-17)	1,12	INV. H01L27/32
Y	* paragraphs [0001] - [0017], [0034] - [0078]; figures 1-5 *	2-11, 13-15	
Y	US 2014/217397 A1 (KWAK SANGHYEON [KR] ET AL) 7 August 2014 (2014-08-07) * the whole document *	2-11	
Y	EP 2 743 990 A2 (BOE TECHNOLOGY GROUP CO LTD [CN]) 18 June 2014 (2014-06-18) * the whole document *	9,10, 13-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01L
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 The Hague		Date of completion of the search 30 April 2018	Examiner Saynova, Desislava
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

**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
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30-04-2018

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2014197382	A1	17-07-2014	CN 103928491 A	16-07-2014
			KR 20140092137 A	23-07-2014
			TW 201428943 A	16-07-2014
			US 2014197382 A1	17-07-2014
			US 2016172506 A1	16-06-2016


US 2014217397	A1	07-08-2014	CN 105144418 A	09-12-2015
			EP 2951870 A1	09-12-2015
			KR 20140099139 A	11-08-2014
			US 2014217397 A1	07-08-2014
			WO 2014119850 A1	07-08-2014

EP 2743990	A2	18-06-2014	CN 103000632 A	27-03-2013
			EP 2743990 A2	18-06-2014
			US 2014159038 A1	12-06-2014

专利名称(译)	硅和半导体氧化物薄膜晶体管显示器		
公开(公告)号	EP3183750A4	公开(公告)日	2018-06-06
申请号	EP2014902297	申请日	2014-10-09
[标]申请(专利权)人(译)	苹果公司		
申请(专利权)人(译)	苹果公司.		
当前申请(专利权)人(译)	苹果公司.		
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IPC分类号	H01L27/32		
CPC分类号	H01L27/1225 H01L27/1251 H01L27/1255 H01L27/3258 H01L27/3262 H01L27/3265 H01L27/3276 H01L51/0097 H01L2251/5338 Y02E10/549 H01L29/78651 H01L29/78672 H01L29/7869		
优先权	14/494931 2014-09-24 US		
其他公开文献	EP3183750A1		
外部链接	Espacenet		

摘要(译)

电子设备显示器可以具有像素电路阵列。每个像素电路可以包括有机发光二极管和驱动晶体管。可以调节每个驱动晶体管以控制流过有机发光二极管的电流。每个像素电路可以包括一个或多个附加晶体管，例如开关晶体管和存储电容器。半导体氧化物晶体管和硅晶体管可用于形成像素电路的晶体管。可以使用金属层，半导体结构和介电层来形成存储电容器和晶体管。可以沿着显示器的边缘去除一些层以便于弯曲。介电层可以具有阶梯式轮廓，当数据线延伸到无效边缘区域时，该阶梯式轮廓允许阵列中的数据线向下逐步朝向基板的表面。

		EUROPEAN UNION INTELECTUAL PROPERTY OFFICE EUROPEAN PATENT OFFICE		Application No. _____ EP 14 90 2297	
DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	Classification of the document (IPC)		
X	US 14,913,782 A1 (KIM JONG YUN [KR] ET AL) 17 July 2014 (2014-07-17) * paragraphs [0001] - [0017], [0034] - [0076] * figures 1-5	1, 12	INV. H01L27/32		
Y	US 14,217,397 A1 (KIM SANHYEON [KR] ET AL) 2 August 2014 (2014-08-07) * the whole document *	2-11			
Y	EP 2 743 990 A2 (BOE TECHNOLOGY GROUP CO LTD [CN]) 18 June 2014 (2014-06-18) * the whole document *	9, 10, 13-15			
			TECHNICAL FIELD OF THE INVENTION (IPC)		
			HO11		
The applicant's search report has been prepared on the last available date available at the time of completion of the search					
1	Name of the Invention The Hauge	Date of completion of the search 30 April 2018	Examiner Saymona, Desislava		
CATEGORY OF RELEVANCE DOCUMENTS					
<input checked="" type="checkbox"/> particularly relevant if it alone shows a technical advance over the prior art <input type="checkbox"/> relevant if it alone shows a technical advance over the prior art <input type="checkbox"/> relevant if it alone shows a technical advance over the prior art	<input type="checkbox"/> merely relevant because the document is cited in the application <input type="checkbox"/> relevant if it alone shows a technical advance over the prior art, but published on, or after, the filing date of the application <input type="checkbox"/> relevant if it alone shows a technical advance over the prior art, but published on, or after, the filing date of the application				