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(54) **Liquid crystal display and array substrate**

(57) Embodiments of the disclosed technology disclose an array substrate and a liquid crystal display. The array substrate comprises: a base substrate; a first layer transparent common electrode formed on the base substrate; a gate metal common electrode formed on the first layer transparent common electrode; an insulation layer formed on the gate metal common electrode, with via holes being formed in the insulation layer; and a second layer transparent common electrode formed on the

insulation layer. A side portion of via holes is in contact with the gate metal common electrode, another side portion is in contact with the first layer transparent common electrode, such that the second layer transparent common electrode is connected electrically with the first layer transparent common electrode and the gate metal common electrode in the via holes.

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EUROPEAN SEARCH REPORT

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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)
A	US 2006/146255 A1 (AHN BYUNG C [KR] AHN BYUNG CHUL [KR]) 6 July 2006 (2006-07-06) * figure 3 *	1-8	INV. G02F1/1362 H01L21/768 H01L29/49 H01L27/12
A	US 2007/263132 A1 (YANG JOON-YOUNG [KR]) 15 November 2007 (2007-11-15) * figure 5c *	1-8	
A	EP 1 813 979 A2 (EPSON IMAGING DEVICES CORP [JP]) 1 August 2007 (2007-08-01) * figure 5 *	1-8	
A	US 2005/052604 A1 (KIM WOO HYUN [KR] ET AL) 10 March 2005 (2005-03-10) * figure 4d *	1-8	
			TECHNICAL FIELDS SEARCHED (IPC)
			G02F H01L
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 7 March 2013	Examiner Aichmayr, Günther
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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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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专利名称(译)	液晶显示器和阵列基板		
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摘要(译)

所公开的技术的实施例公开了阵列基板和液晶显示器。阵列基板包括：基础基板;形成在基底基板上的第一层透明公共电极;栅极金属公共电极形成在第一层透明公共电极上;形成在栅极金属公共电极上的绝缘层，在绝缘层中形成通孔;第二层透明公共电极形成在绝缘层上。通孔的侧部与栅极金属公共电极接触，另一侧部与第一层透明公共电极接触，使得第二层透明公共电极与第一层透明公共电极电连接，通孔中的栅极金属公共电极。

		EUROPEAN SEARCH REPORT		Application Number EP 12 16 6015
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			G02F H01L	
The present search report has been drawn up for all claims				
Title of invention The Haguer		Date of completion of the search 7 March 2013		Examiner Alchayr, Gunther
CATEGORY OF CITED DOCUMENTS				
(X) particularly relevant if taken alone () document of prior art not relevant to the invention () non-patent literature () non-patent literature		() known or obvious to the person skilled in the art () known or obvious to the person skilled in the art () known or obvious to the person skilled in the art () known or obvious to the person skilled in the art		