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(54) Liquid crystal display panel and liquid crystal display thereof

(57) A liquid crystal display (3) has a plurality of pixels (31) arranged in a matrix to be formed on a transparent insulating substrate. A first switching element (311) formed in each pixel is a three-terminal TFT whose gate terminal is connected to the scanning line (34) and two other terminals are respectively connected to a pixel elec-

trode and a signal line (32). Furthermore, a second switching element (312) formed in each pixel is a three-terminal TFT whose gate terminal is connected to a black selecting line (33) and two other terminals are respectively connected to the pixel electrode and a common electrode (35).

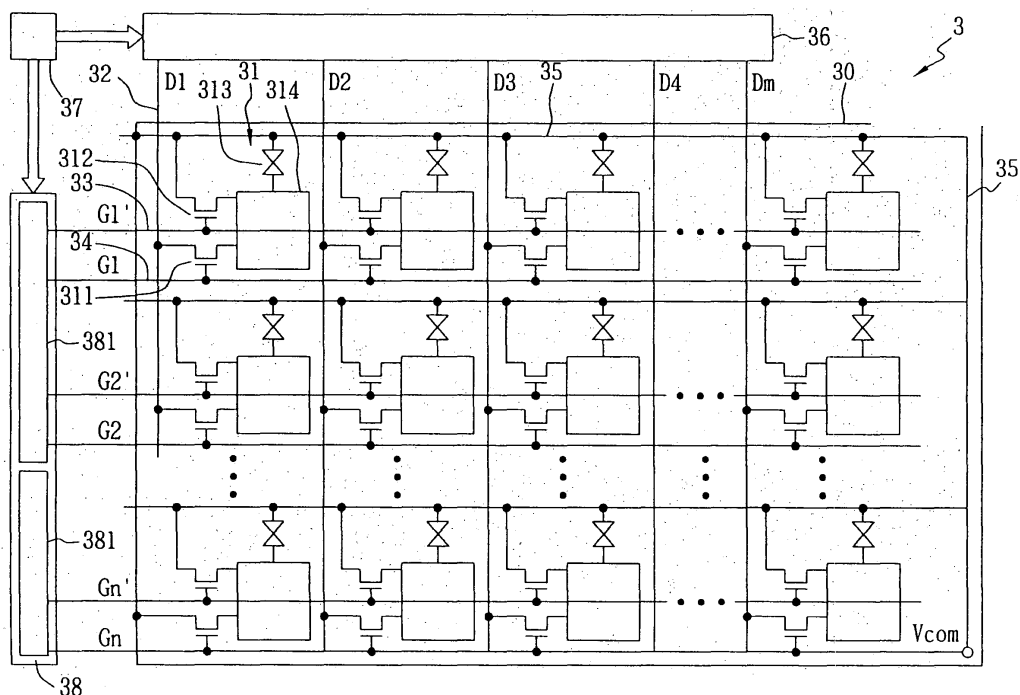


FIG. 3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 21 February 2006	Examiner Kunze, H
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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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 04 00 0984

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专利名称(译)	液晶显示面板及其液晶显示器		
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优先权	10/427627 2003-04-30 US		
其他公开文献	EP1473693A2		
外部链接	Espacenet		

摘要(译)

液晶显示器 (3) 具有以矩阵排列的多个像素 (31)，以形成在透明绝缘基板上。形成在每个像素中的第一开关元件 (311) 是三端 TFT，其栅极端子连接到扫描线 (34)，另外两个端子分别连接到像素电极和信号线 (32)。此外，在每个像素中形成的第二开关元件 (312) 是三端 TFT，其栅极端子连接到黑色选择线 (33)，另外两个端子分别连接到像素电极和公共电极 (35)。

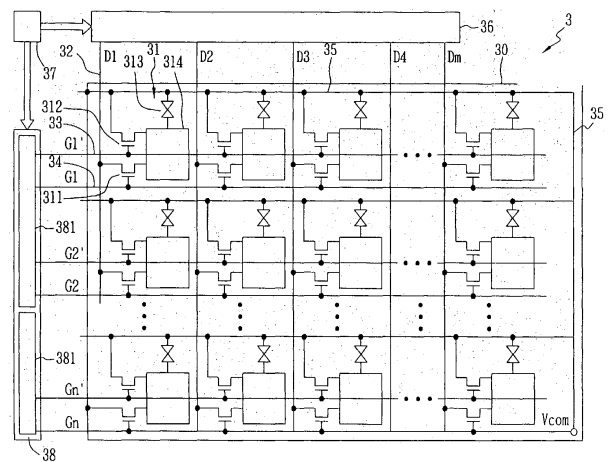


FIG. 3