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- **Lee, Sang Yong**
Songpa-Gu, Seoul (KR)
- **Choi, Seong Woo**
Dongnae-Gu, Busan (KR)
- **Ha, YoungSik**
Yeongdeungpo-Gu, Seoul (KR)
- **An, Soo Ho**
Eunpyeong-Gu, Seoul (KR)

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(71) Applicant: **LG ELECTRONICS INC.**
Seoul (KR)

(74) Representative:
McLeish, Nicholas Alistair Maxwell et al
Boult Wade Tennant
Verulam Gardens
70 Gray's Inn Road
London WC1X 8BT (GB)

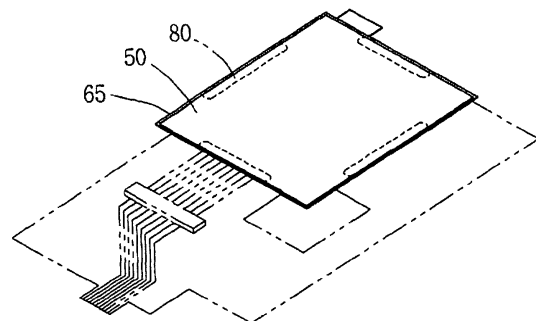
(72) Inventors:
 • **Kim, Young Ho**
Gwonseon-Gu, Suwon, Gyeonggi-Do (KR)

(54) **Liquid crystal display apparatus and mobile terminal using same**

(57) A liquid crystal display apparatus and a mobile terminal displays letter or image information. The liquid crystal display apparatus includes a liquid crystal panel having a polygonal flat shape and an adhesion member installed at least one part among edges except corner parts at the flat portion of the liquid crystal panel and the mobile terminal in accordance with the present invention includes a transmission and reception unit positioned at one side of a case, an input adjusting unit exposed to external portion of the case being adjusted by a user, a control unit for outputting a driving signal according to an input signal of the input adjusting unit at the same time when the signals are inputted and outputted, being connected to the transmission and reception unit, a liquid crystal display driving unit operated by the output signal of the control unit, a liquid crystal panel positioned in the case so that it can be shown from the outside, for displaying letter or image information by the liquid crystal display driving unit and an adhesion member installed at least one part among edges except corner parts at the flat portion of the liquid crystal panel. Accordingly, the liquid crystal display apparatus in accordance with the present invention and a mobile terminal in accordance with the present invention can improve durability and reliability of the mobile terminal having the liquid crystal panel minimizing spot generation even if

impacts by a falling or temperature change or a certain wrenching load is applied.

FIG. 8





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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 (Int.Cl.7)
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X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11, 26 December 1995 (1995-12-26) -& JP 07 218913 A (CASIO COMPUT CO LTD), 18 August 1995 (1995-08-18) * abstract *	1-4,6	
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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 4 February 2004	Examiner Ammerlahn, D
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 02 25 0087

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	液晶显示装置和使用其的移动终端		
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当前申请(专利权)人(译)	LG电子株式会社.		
[标]发明人	KIM YOUNG HO LEE SANG YONG CHOI SEONG WOO HA YOUNGSIK AN SOO HO		
发明人	KIM, YOUNG HO LEE, SANG YONG CHOI, SEONG WOO HA, YOUNGSIK AN, SOO HO		
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其他公开文献	EP1223726B1 EP1223726A2		
外部链接	Espacenet		

摘要(译)

液晶显示装置和移动终端显示字母或图像信息。液晶显示装置包括具有多边形扁平形状的液晶面板和安装在除液晶面板的平坦部分处的角部之外的边缘中的至少一部分的粘合构件，并且根据本发明的移动终端包括：位于壳体一侧的发送和接收单元，暴露于由用户调节的壳体外部的输入调节单元，用于根据输入调节单元的输入信号输出驱动信号的控制单元输入和输出信号的时间，连接到传输和接收单元，由控制单元的輸出信号操作的液晶显示驱动单元，位于壳体中的液晶面板，使得它可以从外部显示，用于通过液晶显示驱动单元显示字母或图像信息粘合构件安装在除液晶面板的平坦部分处的角部之外的边缘中的至少一部分上。因此，根据本发明的液晶显示装置和根据本发明的移动终端可以提高具有液晶面板的移动终端的耐用性和可靠性，即使由于下降或温度变化的影响，也可以使点生成最小化。一定的负担是应用。

FIG. 8

