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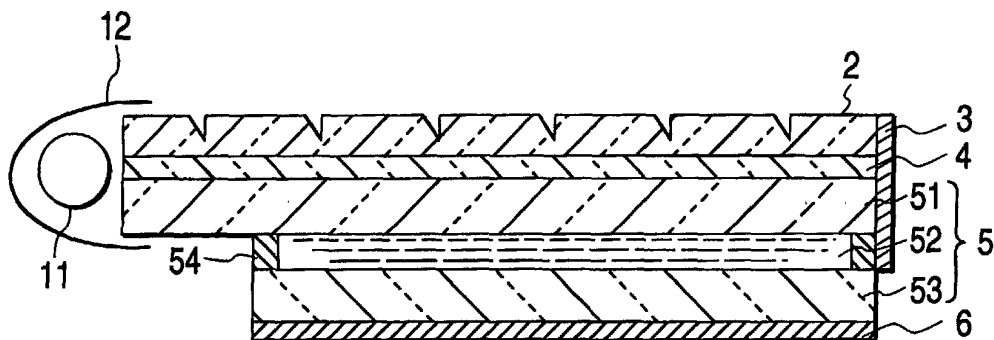
Reflection type liquid-crystal display apparatus

(57)

A reflection type liquid-crystal display apparatus has a light source; and a liquid-crystal display device including a lower substrate provided with a reflection plate, an upper substrate provided with a transparent film on which a light reflection element is provided for reflecting transmitted light toward the lower substrate side, and liquid crystal heldbetween the lower substrate and the upper substrate, the light source being disposed at an end surface of the upper substrate, the liquid-crys-

tal display device being configured so that light incident onto a surface of the upper substrate opposite to a contact surface of the upper substrate with the liquid crystal is reflected by the reflection plate of the lower substrate so as to exit from the surface of the upper substrate opposite to the contact surface of the upper substrate with the liquid crystal, wherein at least one of end surfaces except the end surface on which the light source is disposed is coated with a reflection layer.

FIG. 1





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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 March 2004	Examiner Gill, R
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
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EP 02 00 5433

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The members are as contained in the European Patent Office EDP file on
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专利名称(译)	反射型液晶显示装置		
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其他公开文献	EP1239320A2		
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摘要(译)

反射型液晶显示装置具有光源。液晶显示装置，包括设置有反射板的下基板，设置有透明膜的上基板，在该透明膜上设置有用将透射光反射向下基板侧的光反射元件，以及保持在下基板之间的液晶上基板，光源设置在上基板的端面上，液晶显示装置被配置成使得光入射到上基板的与上基板的接触表面相对的表面上与液体晶体被下基板的反射板反射，以便从与上基板的接触表面相对的上基板的表面与液晶一起离开，其中至少一个端面除了其上的端面之外的设置的光源涂有反射层。

FIG. 1

