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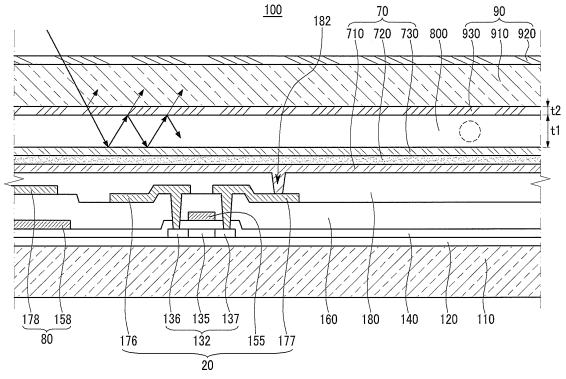
(54) Organic light emitting diode display

(57) An organic light emitting diode (OLED) display is provided. The OLED display includes: a substrate member; an OLED that includes a pixel electrode that is formed on the substrate member, an organic light emitting layer that is formed on the pixel electrode, and a transflective common electrode that is formed on the organic light emitting layer; an encapsulation thin film that is formed on the transflective common electrode; and a touch panel that includes a first touch conductive layer that is formed on the encapsulation thin film and that is formed with a transflective metal film, a glass substrate that is formed on the first touch conductive layer, and a second touch conductive layer that is formed on the glass substrate. In some embodiments, the transflective common electrode has reflectivity of less than 50%. Some of the external light is thus reflected again to the first touch conductive layer and back to the transflective common electrode and so on. During this cycling, destructive interference occurs and the cycled light eventually dissipates. Thus, unwanted reflected light is suppressed.

FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 09 16 8186

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	26 March 2013	Bernabé Prieto, A

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

1

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26-03-2013

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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)	有机发光二极管显示器		
公开(公告)号	EP2159842A3	公开(公告)日	2013-05-01
申请号	EP2009168186	申请日	2009-08-19
[标]申请(专利权)人(译)	三星显示有限公司		
申请(专利权)人(译)	三星移动显示器有限公司.		
当前申请(专利权)人(译)	三星DISPLAY CO.，LTD.		
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发明人	KIM, EUN-AH KWAK, NOH-MIN JEONG, HEE-SEONG LEE, JOO-HWA JEONG, CHUL-WOO PARK, SOON-RYONG JUNG, WOO-SUK JEON, HEE-CHUL		
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CPC分类号	H01L51/5281 G06F3/0412 H01L27/323 H01L27/3244		
优先权	1020080083395 2008-08-26 KR		
其他公开文献	EP2159842A2		
外部链接	Espacenet		

摘要(译)

提供有机发光二极管（OLED）显示器。 OLED显示器包括：基板构件; OLED，其包括形成在所述基板构件上的像素电极，形成在所述像素电极上的有机发光层，以及形成在所述有机发光层上的透反电极公共电极;形成在半透反射公共电极上的封装薄膜;触控面板，包括：第一触控导电层，形成于封装薄膜上并且形成有透反射金属膜;玻璃基板，形成在第一触摸导电层上;以及第二触摸导电层，其是形成在玻璃基板上。在一些实施例中，透反射公共电极具有小于50％的反射率。因此，一些外部光再次被反射到第一触摸导电层并返回到透反射公共电极，等等。在此循环期间，发生破坏性干扰并且循环光最终消散。因此，抑制了不需要的反射光。

FIG. 2