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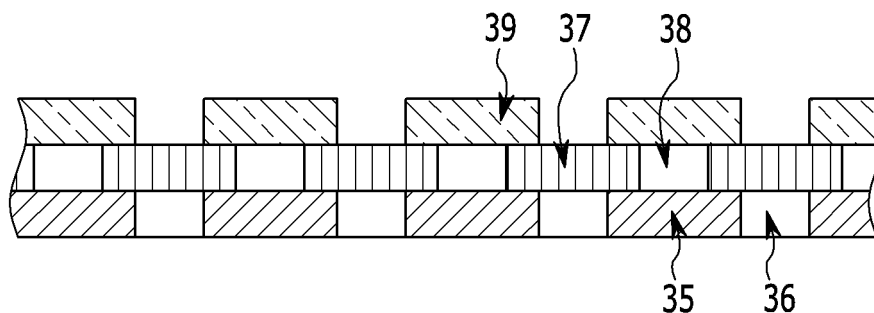
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(54) **Flexible organic light emitting diode display and manufacturing method thereof**

(57) A flexible organic light emitting diode (OLED) display according to an exemplary embodiment includes: a substrate (10); an organic light emitting diode (OLED) layer provided on the substrate (10); and a thin film encapsulation layer (30) provided on the OLED layer. The thin film encapsulation layer (30) includes a plurality of laminated inorganic layers (35, 37, 39), at least one in-

organic layer of the plurality of inorganic layers (35, 37, 39) includes a plurality of inorganic layer patterns (35', 37', 39') that are disposed to be spaced apart from each other on a plane, and an organic layer (36, 38) is formed between the plurality of inorganic layer patterns (35', 37', 39').

**FIG. 5**



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## EUROPEAN SEARCH REPORT

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EP 14 18 8721

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| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                     |                                  |                                         |
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| Place of search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                     | Date of completion of the search | Examiner                                |
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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|                |                                                                                     |         |            |
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| 专利名称(译)        | 柔性有机发光二极管显示器及其制造方法                                                                  |         |            |
| 公开(公告)号        | <a href="#">EP2863446A3</a>                                                         | 公开(公告)日 | 2015-05-13 |
| 申请号            | EP2014188721                                                                        | 申请日     | 2014-10-14 |
| [标]申请(专利权)人(译) | 三星显示有限公司                                                                            |         |            |
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| 当前申请(专利权)人(译)  | 三星DISPLAY CO. , LTD.                                                                |         |            |
| [标]发明人         | AHN CHI WOOK                                                                        |         |            |
| 发明人            | AHN, CHI WOOK                                                                       |         |            |
| IPC分类号         | H01L51/52 H01L27/32                                                                 |         |            |
| CPC分类号         | H01L51/5253 H01L27/3241 H01L27/3244 H01L51/0097 H01L51/5256 H01L51/56 H01L2251/5338 |         |            |
| 优先权            | 1020140125183 2014-09-19 KR<br>1020130122869 2013-10-15 KR                          |         |            |
| 其他公开文献         | EP2863446B1<br>EP2863446A2                                                          |         |            |
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#### 摘要(译)

根据示例性实施例的柔性有机发光二极管 ( OLED ) 显示器包括：基板 ( 10 ) ;设置在基板 ( 10 ) 上的有机发光二极管 ( OLED ) 层;以及设置在 OLED层上的薄膜封装层 ( 30 )。薄膜封装层 ( 30 ) 包括多个层压无机层 ( 35,37,39 )，多个无机层 ( 35,37,39 ) 中的至少一个无机层包括多个无机层图案 ( 35 ) ； 37； 39； ) 设置成在平面上彼此间隔开，并且在多个无机层图案 ( 35； 37； 39； ) 之间形成有机层 ( 36,38 ) 。

FIG. 5

