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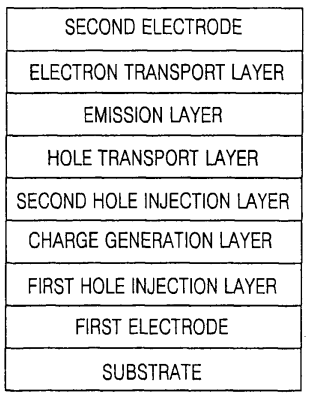
(54) **Organic luminescence display device and method of manufacturing the same**

(57) An organic luminescence display device having an emission layer between a first electrode and a second electrode is disclosed. One embodiment of the device includes: a first hole injection layer and a second hole injection layer between the first electrode and the emission layer; and a charge generation layer doped with a p-type dopant between the first hole injection layer and the second hole injection layer. The device has a reduced driving voltage and an enhanced efficiency and lifetime.

FIG. 2A

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# EUROPEAN SEARCH REPORT

Application Number
EP 06 25 6466

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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 | 25 June 2012 | Pusch, Catharina |

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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L : document cited for other reasons

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| 申请号 | EP2006256466 | 申请日 | 2006-12-20 |
| [标]申请(专利权)人(译) | 三星斯笛爱股份有限公司 | | |
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| 审查员(译) | PUSCH，凯萨琳娜 | | |
| 优先权 | 1020050126101 2005-12-20 KR<br>1020050129922 2005-12-26 KR | | |
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摘要(译)

公开了一种在第一电极和第二电极之间具有发光层的有机发光显示装置。该器件的一个实施方案包括：第一空穴注入层和第二空穴注入层，位于第一电极和发光层之间;以及在第一空穴注入层和第二空穴注入层之间掺杂有p型掺杂剂的电荷产生层。该器件具有降低的驱动电压和更高的效率和寿命。


FIG. 2A