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(12)

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(A)

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H05B 33/10

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(71) 167 - 1

(72) 13 650 - 42

6 @1 121 305

704 1104

248 6 512

9 - 12 1 122 1008

441 - 1 110 1301

(74)  
:

(54)

(Organic Electro - Luminescent Display)

, (Electro - Luminescent display) ,  
 1 2 , /  
 EL , 가  
 , UV 가 ,  
 , / ,  
 , 가 가

3

1a 1g

2

3

4a 4e

\*

\*

32: , 34,36: 1 2 ,

36a,36b: , 38: ,

50: UV , 52: ,

56: , 58: ,

60: , 62: ,

70: .

isplay) (Sidewall) (Inline) (Electro - Luminescent D

EL , 가

EL ITO , ITO ITO

(Hole Transporting Layer) (Elec  
 tron Transporting Layer) ,  
 EL ITO (non - inline)  
 1a 1g EL  
 (10) ITO (12) ( 1a) , ITO (12)  
 ITO (12) ( , )  
 ( 1b) (16) (14) UV ( 1c)  
 (14) ( 1d).  
 EL (10)  
 ( ;18) ( 1e) (18)  
 (20) UV ( 1f) 1g (22)  
 EL 2 , 2  
 (Metal chamber; 30) , 1  
 2 (Organic chambers; 32,34) 가 (36a,36)  
 b) (Passivation) (Sealing) (38)  
 , 2 ,  
 (Prebaking) UV  
 (Acid) ( TMAH,  
 KOH ) ,  
 EL ( , 1a  
 1g ) 가 가 가 가  
 가 가 가 가  
 / 가 MAPLE(Matrix assisted pulsed  
 laser evaporation) 가 가  
 (Electro - Luminescent displ  
 ay) 1 2 , /  
 EL 가 ,

UV 가 , , 가 / 가 . , 가 가 . , EL 가 가 , UV 가 UV 가 , UV 가 UV 가 ( 36a) , EL 2 (Inline) 가 가 (Volatile solvent stream) ( , ) (Rotating frozen target substrate) (52) UV (50)가 (56) (58) (60) 가 (Hot stage) (62)가 . (surface acoustic wave device) (64) , (68) 가 (70)가 . EL (56) (58) (60) , 3 (80) 가 (56) (52) 가 (60) ITO UV가 (82) 가 ( 4a), (62) 가 (50) 가 ( 4b). (60) 4a ( 4c 4d) (84) 4e 4b . 2 (34,36) 2 (32) EL 2 (38) ( 3 66) 100 200K 가 MALDI(Matrix assisted laser desorption/ionization) 가 (52)

가 (56) 가 (70) 가 (70)

ITO

가 가 가

(57)

1.

(Electro - Luminescent display)

1 2 , /

EL

가 ,

UV 가 /

가

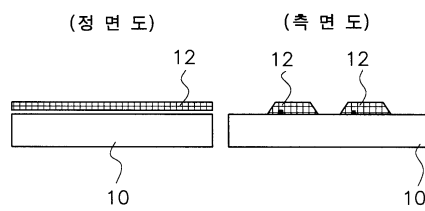
2.

1 ,

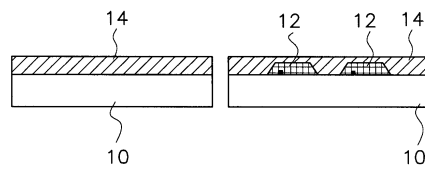
3.

1 , 가 가

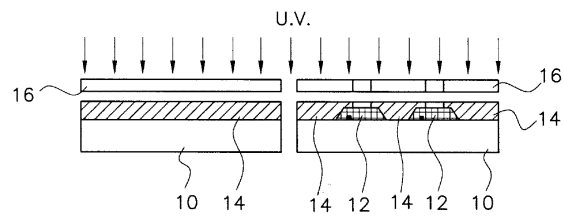
1a



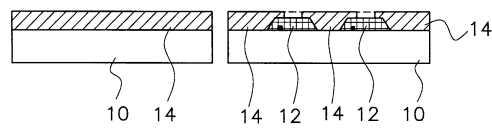
1b



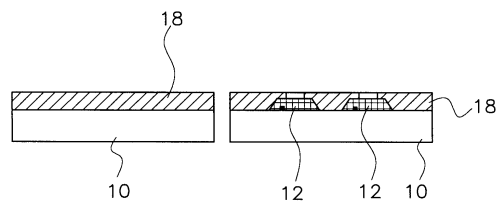
1c



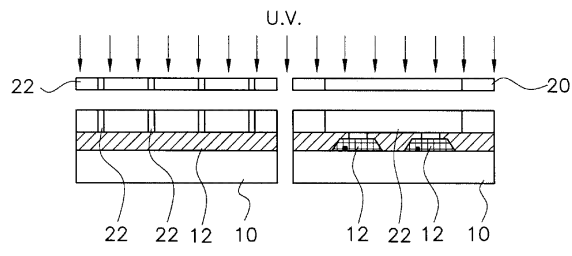
1d



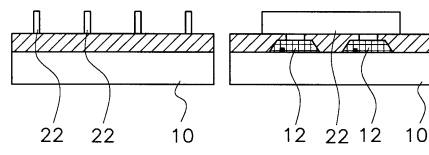
1e



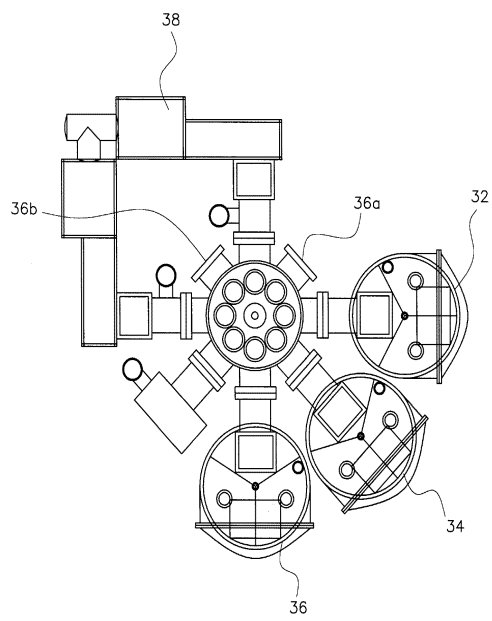
1f



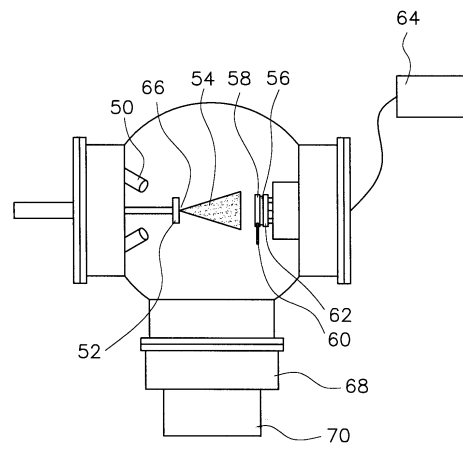
1g



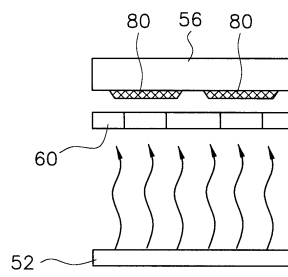
2



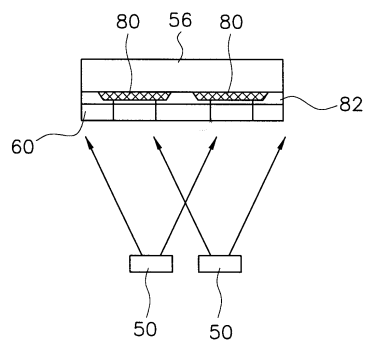
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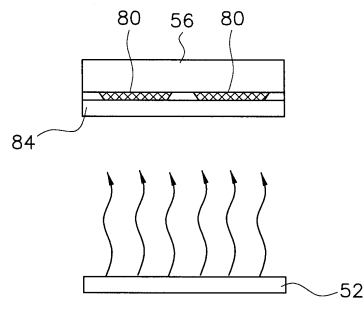
4a



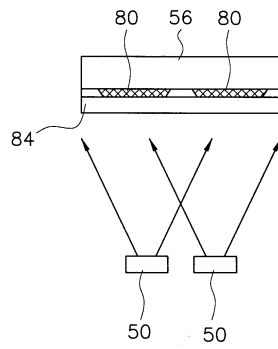
4b



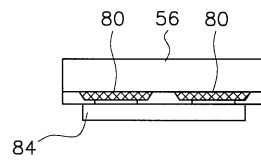
4c



4d



4e



专利名称(译)	有机电致发光器件制造装置		
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当前申请(专利权)人(译)	现代电梯有限公司.		
[标]发明人	MIN KYOUNGWOOK 민경욱 KIM WOORYOUNG 김우영 JU SUNGHOO 주성후 KIM SUNWOONG 김선웅 KANG JAEIK 강재익 LEE JOOHYEON 이주현		
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CPC分类号	H01L51/56 H01L27/3295 H01L27/3283		
其他公开文献	KR100744037B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

本发明涉及一种有机电致发光设备，使得用于在线简化形成绝缘膜和有机EL元件（有机电致发光显示器）的阴极隔壁的工序中的整个制造工艺的制造装置。 根据本发明，该有机电致发光装置（电致发光显示器）的第一和第二有机腔室和，将保护/手套箱以执行密封过程用于金属腔，用于形成金属电极层，形成的有机材料层的多层有机薄膜形式耦合到备用室，所述系统的接合部分被构造与真空室，用于在绝缘膜和有机EL器件的阴极隔壁的在线拉伸过程进一步提供，其中，所述真空室是冷却目标基板在其中，一面带和倾斜和UV曝光装置被安装，多个被安装侧热阶段的金属掩模，其对应于所述绝缘层/阴极隔壁的挥发性溶剂的蒸发在其正面通过其相对的掩模保持器，而支持，与玻璃基板和，用于去除挥发性和轻质溶剂的涡轮泵 - 1 - 因此，它被配置。 3

