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2c

,

2a 2d

3a 3d

31 : 33 :

33a : 35 : 1

37 : 39 : 2

41 : 43 :

45 : / 47 :

49 :

(Step coverage)

(CRT: Cathode Ray Tube)

, CRT

가 .

CRT

(Liquide Crystal Dispaly: LCD)가

가

가

TFT - LCD

가,

가

가

,

가

가

1

1

(13)

(13) ,

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(21) ,

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(TFT) ,

(TF

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T)

(Cu)

/

(Al),

가

가

(LOGIC), ASIC

(Electromigration:)

가

2a 2d 2a

2d 1 A - A' B - B'

2a (11) (Cu) (Sputtering) CVD(Che
mical Vapor Deposition) (13)

(13) " 13a"

2b (13) (11) (

SiN_x) (15)

(13)

(15) (15) (13)

(17)가

2c (15) (19)

(19) (13)

(21) / (23)

2d (23) (25) (

25) / (23) (23) (2

ITO(Indium Tin Oxide)

7)

(11)

(Cu)

(Step coverage)가

1 1 1 2 1

3a 3d , 1 A - A' B - B'

3a (31) (Cu) (Sputtering) CV
D(Chemical Vapor Deposition) (33) (33)

" 33a"

1 3b (33) 1 (35) CVD
(35) (SiN_x) 1 (35) (33)
(37)가

(37) (33) (SiO_x) (SiN_x)
(Step coverage)
가

1 3c 1 (35) (33) (37)가 (1)
(Dry Etch) (37)가 (35)
(37)가 (37) 1 (35) 가

1 (35) (SiN_x) (37) (SiO_x)
(37)가 (37) 1 (35)
(37) 1 (35) 가

(35) 1 (35) 3d 1
(35) 2 (39)

2 (39) (SiN_x)

(37) 1 (35)
(CMP:Chemical Mechanical Polishing) 1
(35)

1 (35)
(41), (43) / (45)

/ (45) (47) / (45)
ITO(Indium Tin Oxide)
(49)

(11)

가

CMP
(Step coverage)

(57)

1.

1

1

1

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(Cu)

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CMP(Chemical Mechanical Polishi

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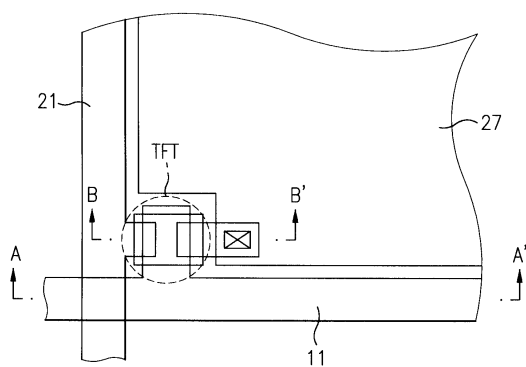
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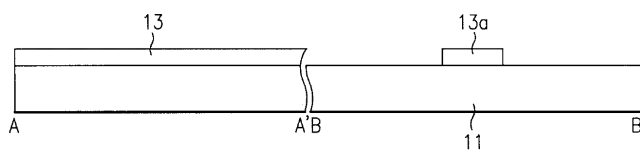
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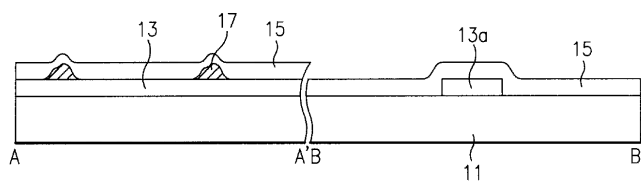
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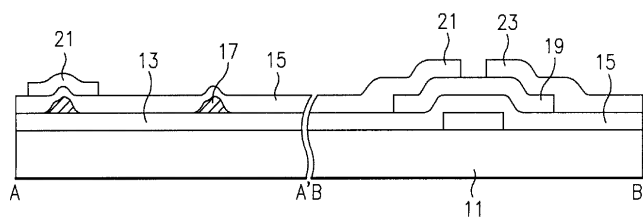
2a



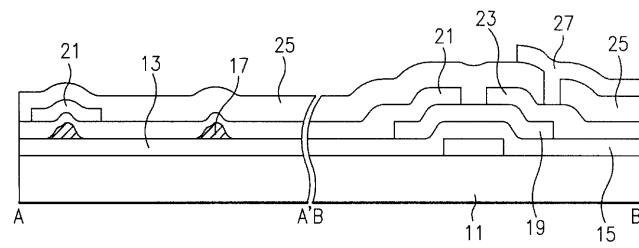
2b



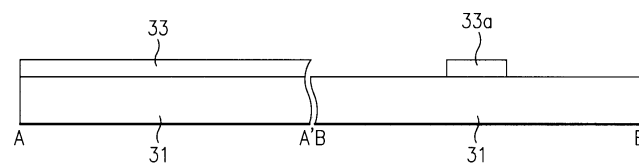
2c



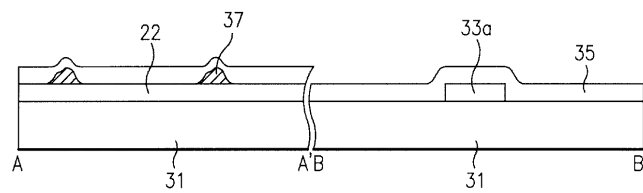
2d



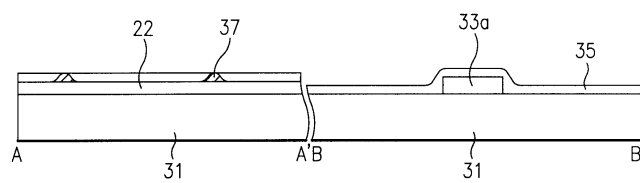
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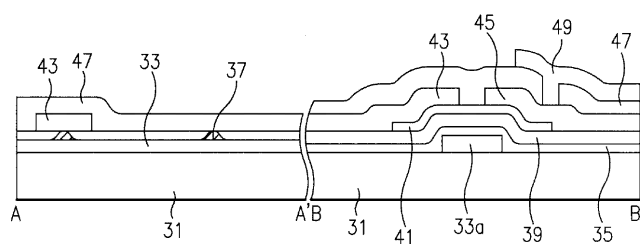
3b



3c



3d



专利名称(译)	液晶显示装置的制造方法		
公开(公告)号	KR1020020017731A	公开(公告)日	2002-03-07
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[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
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IPC分类号	G02F1/136		
代理人(译)	金勇 新昌		
其他公开文献	KR100379567B1		
外部链接	Espacenet		

摘要(译)

本发明提供一种能够提高台阶覆盖率并提高成品率的液晶显示装置的制造方法，以及制造本发明的液晶显示装置的方法，是制造液晶密封在两块玻璃板之间的液晶显示装置的方法在第一玻璃上形成布线层的步骤，在布线层上形成第一绝缘膜的步骤，使第一绝缘膜的整个表面平坦化的步骤，在第一绝缘膜上形成第二绝缘膜的步骤和图2C 指数方面 接线，蚀刻选择比

