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 (43)

10-2004-0025834
 2004 03 26

(21) 10-2003-0064762
 (22) 2003 09 18

(30) JP-P-2002-00276382 2002 09 20 (JP)

(71) 가 가
 가 가 398

(72) 가 가 398가 가

가 가 398가 가

가 가 398가 가

가 가 398가 가

(74)

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(54)

, (Teflon ®) ,

가

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6 ESCA ,
7 ESCA ,
8 IR .

101 : 1 102(102a 102c) :

103 : TFT 104 :

105 ; 106 ;

107 : 108 : 1

109 : 110 :

111 : 2 112 :

113

plastics)

Carrier Package)가 FPC(Flexible Printed Circuit) TAB(Tape Automated Bonding) TCP(Tape COG(Chip On Glass) IC(Integrated Circuit)가

가 , 가

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가 1 , , , , 2

, TFT가

가

1 . 1 , 101 1 , 102a, 102b, 102c , 103
TFT(104, 105, 106), 107 , 108 1 , 109
. 110 . 111 2 . 112 . 113 .

, (102a) 1 (101) TFT(103)(, p TFT) ,
 (110) 107 1 (108) (106) 106 () .) ,

, TFT(n), TFT, p, TFT) 1

0eV 1 , 1 (108) . . , 1 . , TiN, TiSi_xN_y, WSi_x, WN_x, WSi_xN_y, NbN, (ITO), (IZO) . , Ti, Ni, W, Mo, Cr, Pt, Zn, Sn, In, Mo , 가 (4).

100nm 800nm . . 1 (108)
1 (108) UV 가

, 1 (108) 가 (107), (109)(), . (109)

, 가 가 ,

, (Nile Red) Alq₃, Alq₃, p-EtTAZ, TPD(Alq₃)

, (110) ()/ (1,1,4,4-) 가 (PEDOT/PSS) - 1,3- (TPB), 4-
 , -2- , -6- (P-)-4H- (DCM1), 6)
 (PVK)

(110)
(PBD) . , 30wt% PBD (PVK) , 4 1,3,4-
6, DCM1,) (TPB,

2 가 (111) , (3.5eV) 1 1 , 2 (111) , MgAg, MgIn, AlLi, CaF₂, CaN
1 2

1nm 10nm , Li 2 (111) , CaF₂, MgF₂ 2 (111) BaF₂ ,
 (1nm 5nm)

, 2 (111) (In₂O₃-ZnO), 1nm 10nm (ITO), 2 (111) .

, 2 (112), CVD SiON (N>O), , , (SiNO (DLC, CN)), , . , (112), 0.1 1 μ m

$$, \quad (113) \quad , \quad , \quad 2 \quad (111) \\ (114)$$

(113) , , , -
 , , - , , (113)

$$, \quad , \quad 2 \quad (111) \quad 2 \quad . \quad , \quad 2 \quad , \quad 1 \quad , \quad 1$$

2 , 2 (111), (112), (213) (214)
. , , , (213) , , , BCB()
, (213) , ,
가 , . ,

3
(616)

(616) ,

, (616) MgAg, MgIn, AlLi, CaF₂, (617) CaN), (ITO(Al, Ag, Li, Ca, 2), (In₂O₃-ZnO), (ZnO)),

, 2 (617) , , (608) FPC(609)

2 (617) (619) . (619) (SiNO (N>O), SiON (N<O)),
 , , (DLC, CN)

, (619) , (620)
(619) , ,

(619) (620) (618),
(618) (605) (604) (610)

, (610), (604) (605) (607) (618)가

(605)

, FRP(Fiberglass – Reinforced Plastics), PVF(), (Mylar),

(619),

(620),

(604)

(618)

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(4)

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가

		가				
, TV	,					
5b (2106)	,	(2101),	(2102),	(2103), (2102)	(2104),	(2105),
5c (2206)	,	(2201),	(2202),	(2203),	(2204), (2203)	(2205),
5d	,	(2301),	(2302), (2302)	(2303),	(2304),	(2305)
5e A(2403), A(2403)	B(2404),	(DVD) ,	(2405), B(2404)	(DVD) , (2406),	(2401), (2406),	(2402), (2407), ,
		A, B(2403, 2404)				
5f	() ,	(2501),	(2502),	(2503)
		(2502)				
5g (2606),	,	(2601), (2607), (2602)	(2602), (2608),	(2603), (2609),	(2604), (2610)	(2605),
, 5h (2706),	,	(2701), (2707),	(2702), (2708), (2703)	(2703),	(2704),	(2705), (2703)

가
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CATV()
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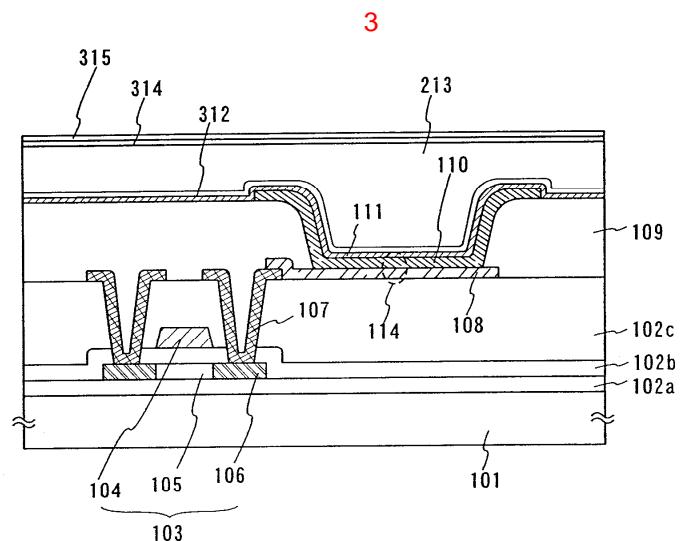
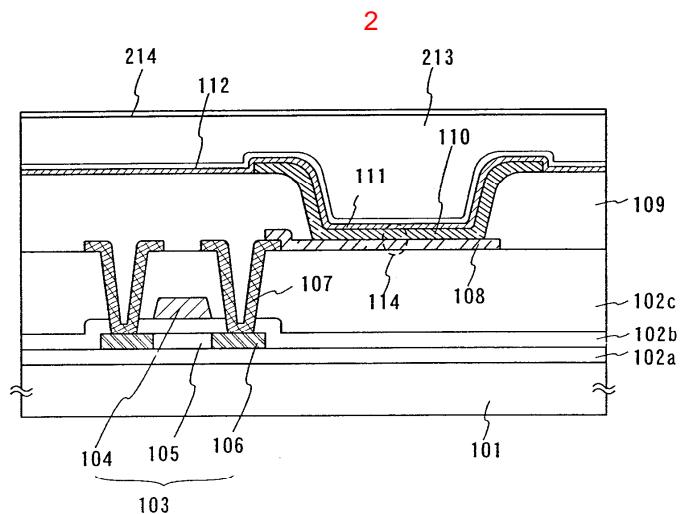
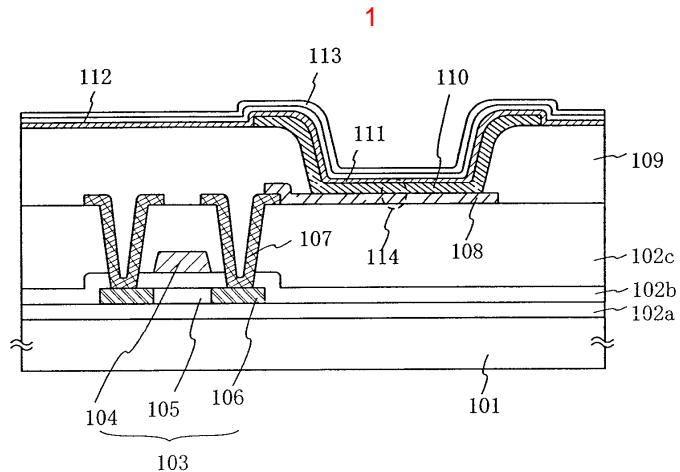
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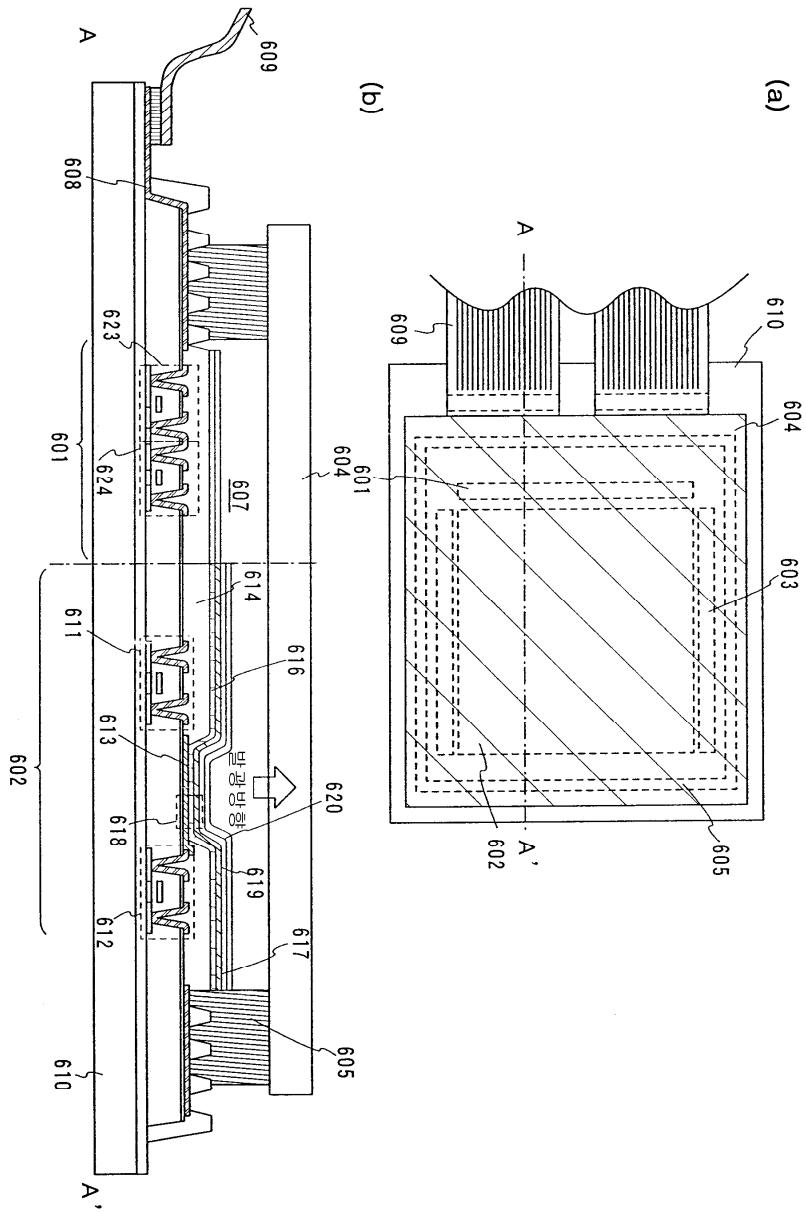
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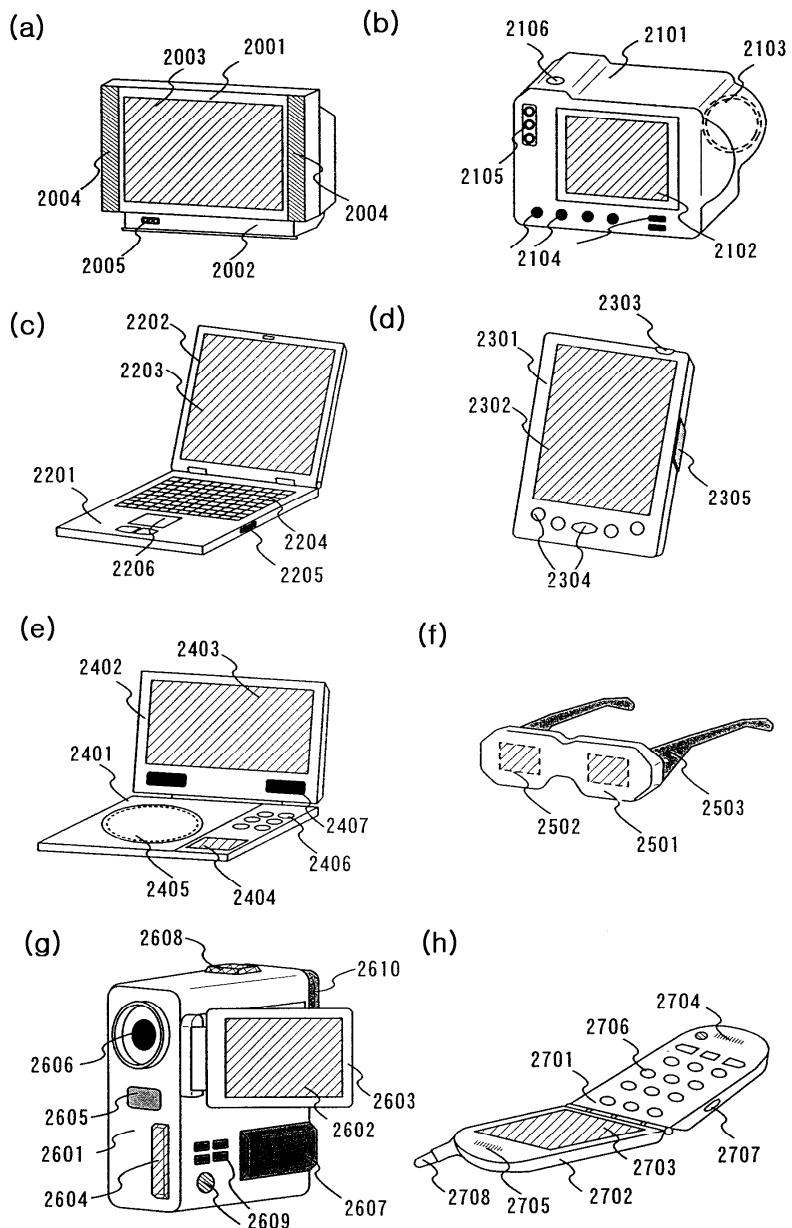
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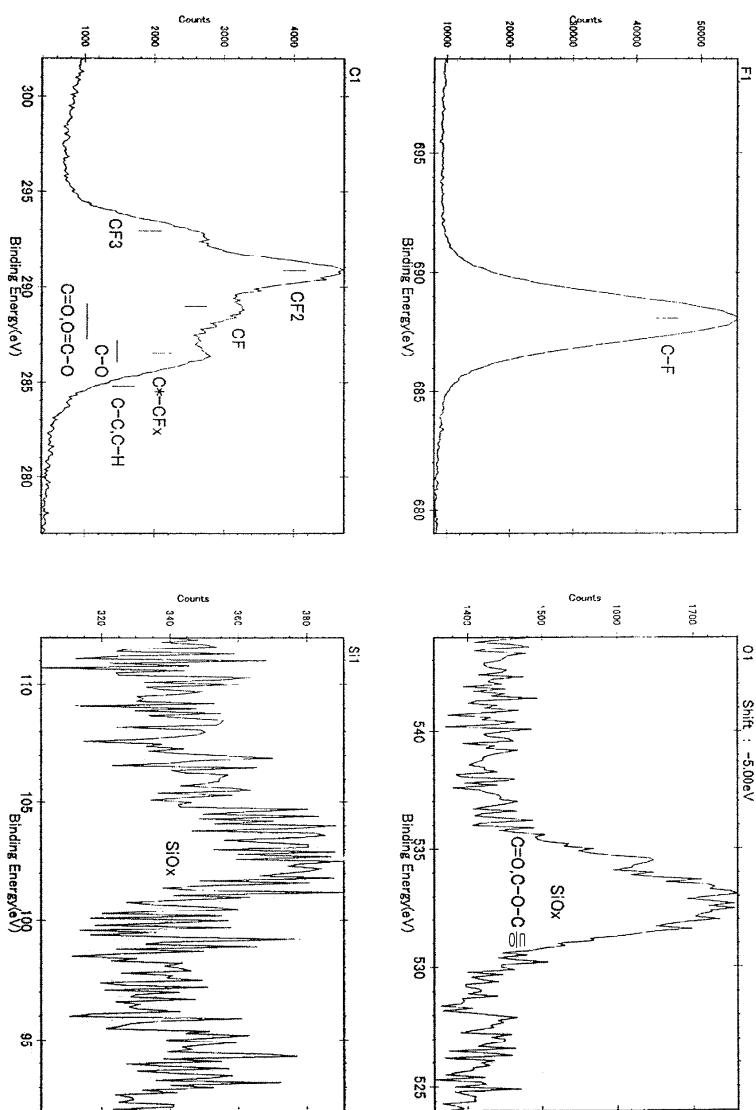
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