

(19)
(12)

(KR)
(A)

(51) . Int. Cl.⁷
G06F 3/03

(11)
(43)

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2005 01 12

(21)	10-2004-7018729		
(22)	2004 11 19		
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(86)	PCT/US2003/011728	(87)	WO 2003/100715
(86)	2003 04 16	(87)	2003 12 04

(30)	10/152,260	2002 05 20	(US)
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(71)	55133-3427	.	33427
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(72)	,	55133-3427	.	33427
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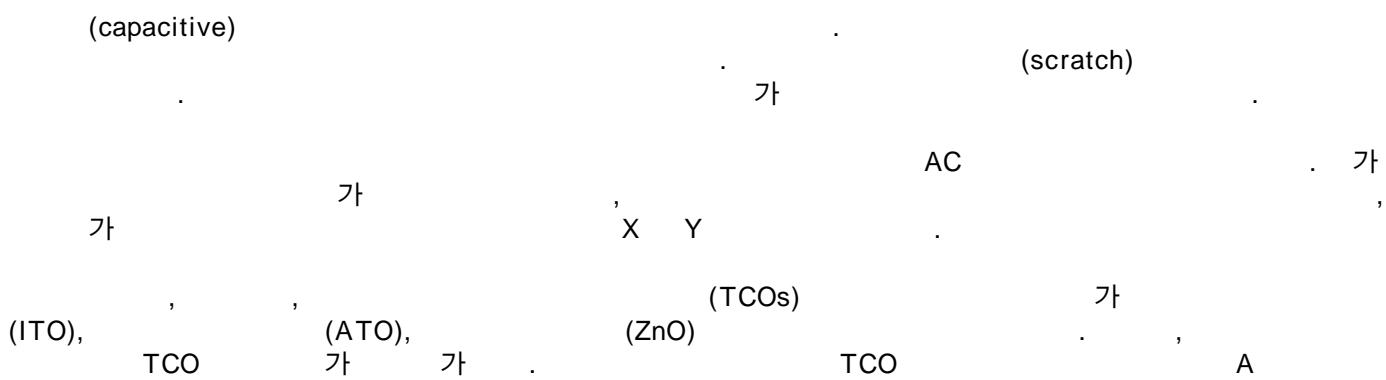
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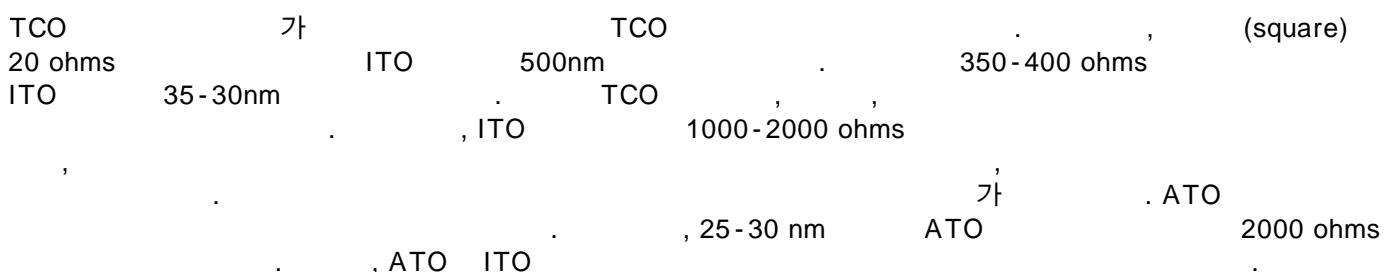
(74)

(54)

1



TCO	(Ohms)
LCD	10-100
	100-500
	1000-2500



PEDOT

가

1
2
3

가

ITO, ATO, ZnO

(TCO)
가

, TCO

, (polypyrrole), (polyaniline), (polyacetylene), (polythiophene), (polyphenylene sulfide), (poly p-phenylene), (polyheterocycle vinylene), EP-1-172
- 831 - A2 . EP-1-172-831-A2 ITO

6,515 EP-A 686,662 poly(3,4-ethylenedioxythiophene)(PEDOT)

5.76

가

가

modified) 6 130 , 1 (m
76% 가 가 1 1% 66

(2)

(57)

1.

2.

1

4.

4

6.

11

1

8.

9. , 가 (flexible) -

10. , (sheet)

1

12. , (bar)

1

1

15.

16.

17.

18.

19.

20. , PEDOT

21. , 가

22.

23.

24.

15 ,

25.

15 , (bar)

26.

15 ,

27.

28.

27 ,

29.

27 ,

30.

27 ,

31.

30 ,

32.

27 ,

33.

27 , PEDOT

34.

27 ,

35.

27 , 7†

36.

27 ,

37.

27 ,

38.

37 , (bar)

39.

27 ,

40.

27

41.

42.

41

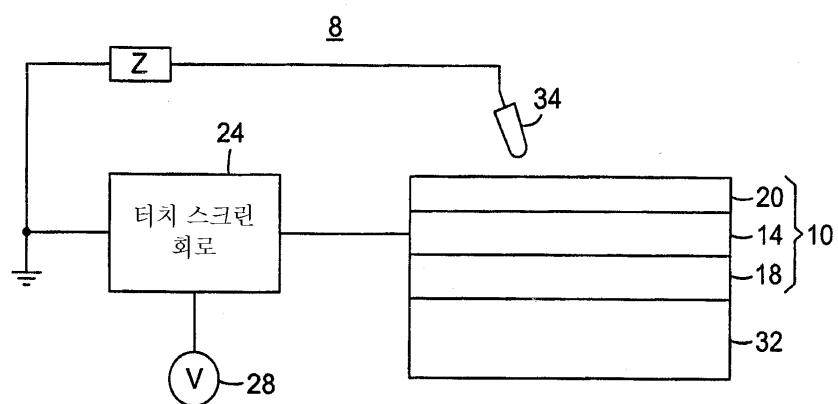
43.

41

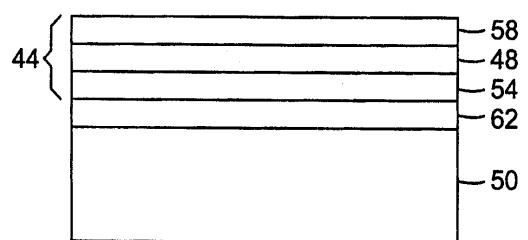
44.

41

1



2



3

