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2002 - 0056963
2002 07 11

(21) 10 - 2000 - 0087052
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가

8

1 V FLC

2 V FLC

3 HV FLC

4 HV FLC

5 가 HV FLC

6 HV FLC 가

7 HV FLC 가

8 HV FLC

9 8 HV FLC

< >

1,7 : 6,12 :

2,5,8,11 : 3,4,9,10 :

13,14 :

(Liquid Crystal Display : " LCD")

(Ferroelectric Liquid Crystal Display)

가

가

가

가

가

lix) FLC , SS(Surface Stabilized) FLC , AFLC(Antiferroelectric) , V FLC , DH(Deformed He , HV(Half V)
FLC 가 .

1 V FLC

V FLC

가

가

2 V FLC

V FLC 가 가 " V"

3 HV FLC

HV FLC 가 , V FLC HV FLC (4 " Half - V"

HV FLC 가 (isotropic) → (N*) → C (Sc*) → (Crystal)

가 , 가 가 , , 가 2가

5 6 가 E(+) 가 6 E(-) 가 4 " Half - V"

7 (2) , HV FLC (2) (3) , (1) (6) , (1) (5) (4) , (3,4) (E - ext) 가 (E - ext) (E - intra)

(Grinding)

가

DC

가 가

가

가

가

가

가

HV FLC

가

가

8

9

8

(12)

(7)

(11)

(10)

(8)

(9,10)

HV FLC

(8)

(9)

(7)

(12)

(14)

(9,10)

(Surface Polarity)

가 가

가

가

(9,10)

(9,10)

가

(14)

(9,10)

(Intrinsic electric field)

가

(9,10)

(Ferroelectrics 1988 vol85 p47)

sive component)

(interfacial energy)

(polar component)

1

(disper

1 2 ,

4.

1 2 ,

5.

1 2 ,

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6.

1 2 ,

, 가

7.

6 ,

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8.

6 ,

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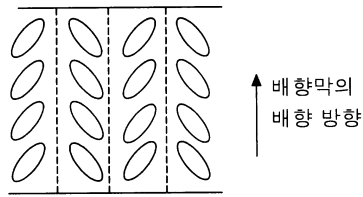
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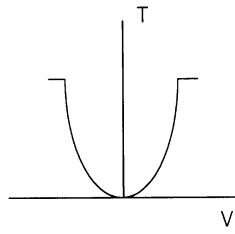
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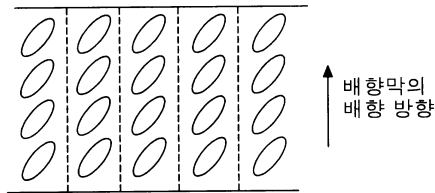
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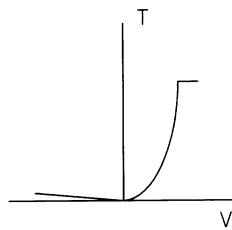
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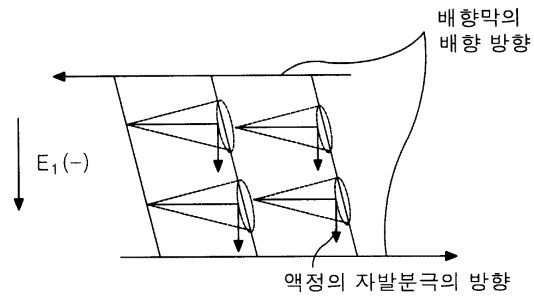
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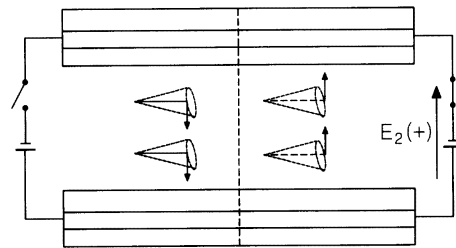
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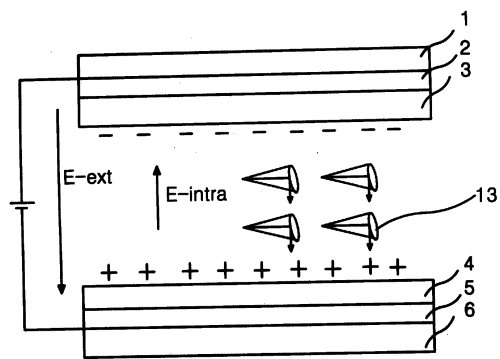
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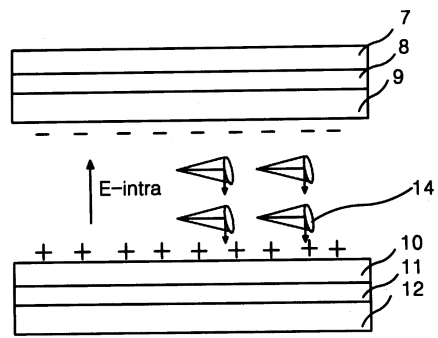
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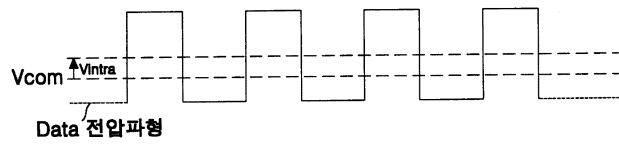
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专利名称(译)	铁电液晶显示器		
公开(公告)号	KR1020020056963A	公开(公告)日	2002-07-11
申请号	KR1020000087052	申请日	2000-12-30
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	CHOI SUSEOK 최수석 CHOI SUKWON 최석원		
发明人	최수석 최석원		
IPC分类号	G02F1/141 G02F1/1337		
CPC分类号	G02F1/141 G02F1/1337		
其他公开文献	KR100752505B1		
外部链接	Espacenet		

摘要(译)

用途：提供铁电液晶显示器，以形成初始液晶对准，而不对液晶施加外部电场，并且当对准被外部冲击损坏时容易恢复液晶对准。

