



1a 1e MILC

2a 2f MILC

3a 3f MILC

4 MILC

< >

30, 60 : 31, 61 :

32a : 32 :

32b, 62 : 33 :

34 : 63 :

64 : 65 : /

(MILC, Metal Induced Lateral Crystalization)  
가

SPC(Solid Phase Crystalization),

ELA(Eximer Laser Anealing), MILC

SPC . ELA

A . EL

MILC  
MILC

6097037

1a 1e MILC

1a , (10) LPCVD(Low Pressure Chemical Vapor Deposition)  
 ( )  
 (11)

, (11) (10)

(11) (11) (12) (13) , (13)

1b , (11) (11S)  
 (11D) , (11) (13) (11c)

1c , (13) (15)  
 (15) (14) , (14) N  
 i, Pd, Ti, Ag, Au, Al, Sb

1d , (lift - off) (15) , (11)  
 (17)

1e , (furnace) (11) (11)  
 (11a) , (14) (18) MIC(Me  
 tal Induced Crystalization) (17) (11C) MILC

(11c) MILC 가 MIC  
 / (11S), (11D) 가

, MILC 가 (17)  
 가 가

, MILC  
 MILC  
 (trap site)

, 가 MILC

가 MILC

MILC

가

MILC

MILC

가

가

가

0

Ni

Pd

0.1 - 5%

HF

400 - 60

MIC

MILC

가

가

가

가

가

MIC

MILC

/ / LDD ;  
 , , .  
 2a 2g , 3a 3g MILC MILC  
 2a 3a , (30) (31) ,  
 (32) , (31) (32) PECVD (33)  
 . (32)  
 2b 3b , (33) (32)  
 (32a) .  
 , (ashing) (33)  
 (32a) 가 .  
 2c 3c , Ni, Pd 가 가 (34)  
 . (34) (32a) 가 .  
 2d 3d , (33a) (34) 가  
 (32a) , (34) (32a) 가 (31)  
 .  
 2e 3e , 400 500 (32a)  
 (32b) , (32a) (34) 가  
 MIC (32 - 2) , (32b) MILC  
 (32 - 1) .  
 a) 가 , (34) (32a) (32b) (32) , (32b) 가 , (32)  
 .  
 3f 3f , (34) .  
 , (32b)  
 (32b) ( ) ,  
 0.1 5% HF .  
 4 , (60) (61)  
 (62) (61) MIC MILC (62) , (61)  
 P (63) (64) / (62) (62) n  
 (65) .  
 , / (65) LDD / .  
 , (64) (64) ( ) ,

(64)

/

(62)

가 LDD

/

/

가

가

MILC

, MILC MIC

가

가

가,

MILC

(57)

1.

;

;

;

가

;

가

;

가

;

;

;

2.

1 ,

3.

1 , Ni Pd

4.

1 , 400 - 600

5.

4 , 가 MIC ,  
MILC

6.

1 ,

7.

6 , 0.1 - 5% HF

8.

;

;

;

가 ;

가 ;

가

;

가 MIC ; MIL

C

;

;

;

;

;

/

9.

8

,

10.

8

,

PECVD

11.

8

,

Ni PD

12.

8

,

0.1 5% HF

13.

8

,

400 600

14.

8

,

, / /

15.

8

,

/

/

,

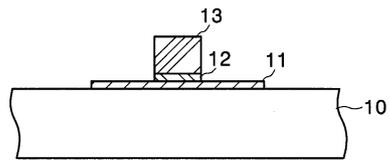
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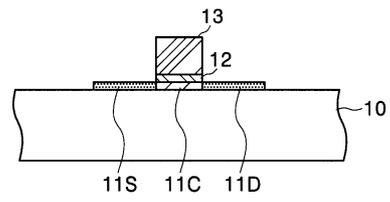
LDD

;

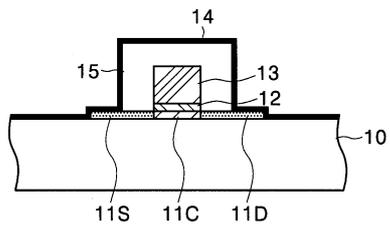
1a



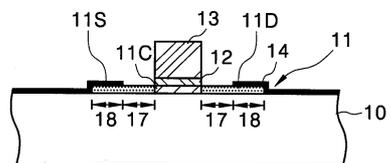
1b



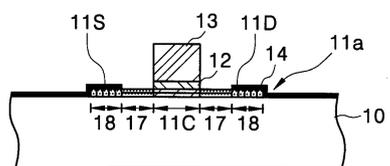
1c



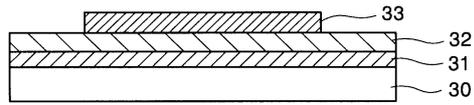
1d



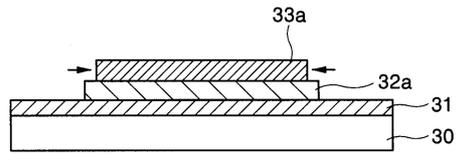
1e



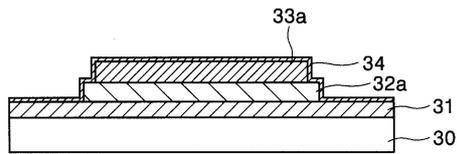
2a



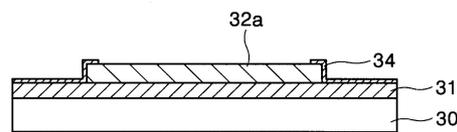
2b



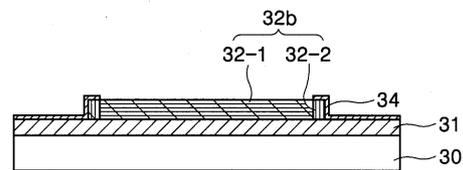
2c



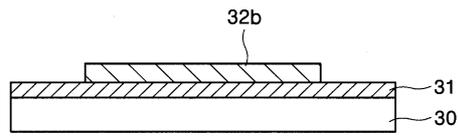
2d



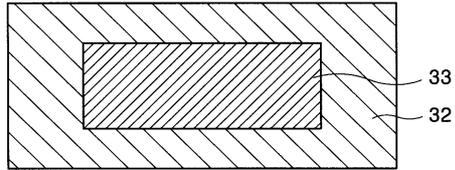
2e



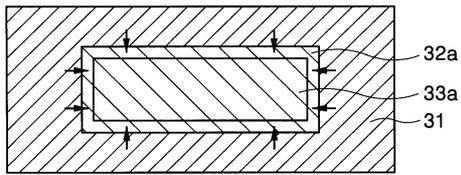
2f



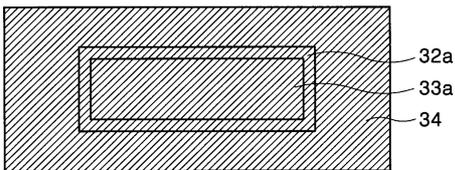
3a



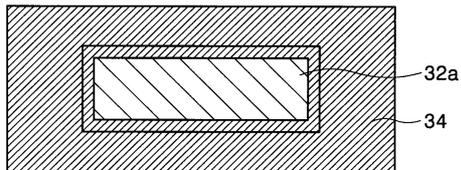
3b



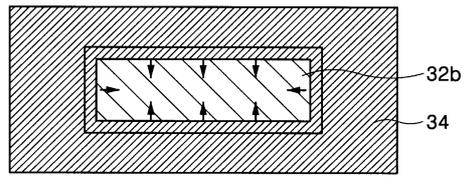
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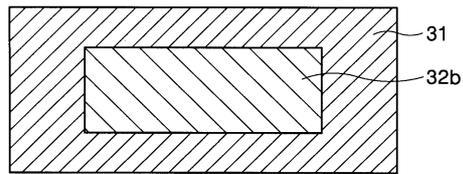
3d



3e



3f



4

