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(12)

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(B1)

(51) 。 Int. Cl.7
H01L 27/112
H01L 21/8246

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2004 11 09
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(21) 10-2002-0003871
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(73) 416

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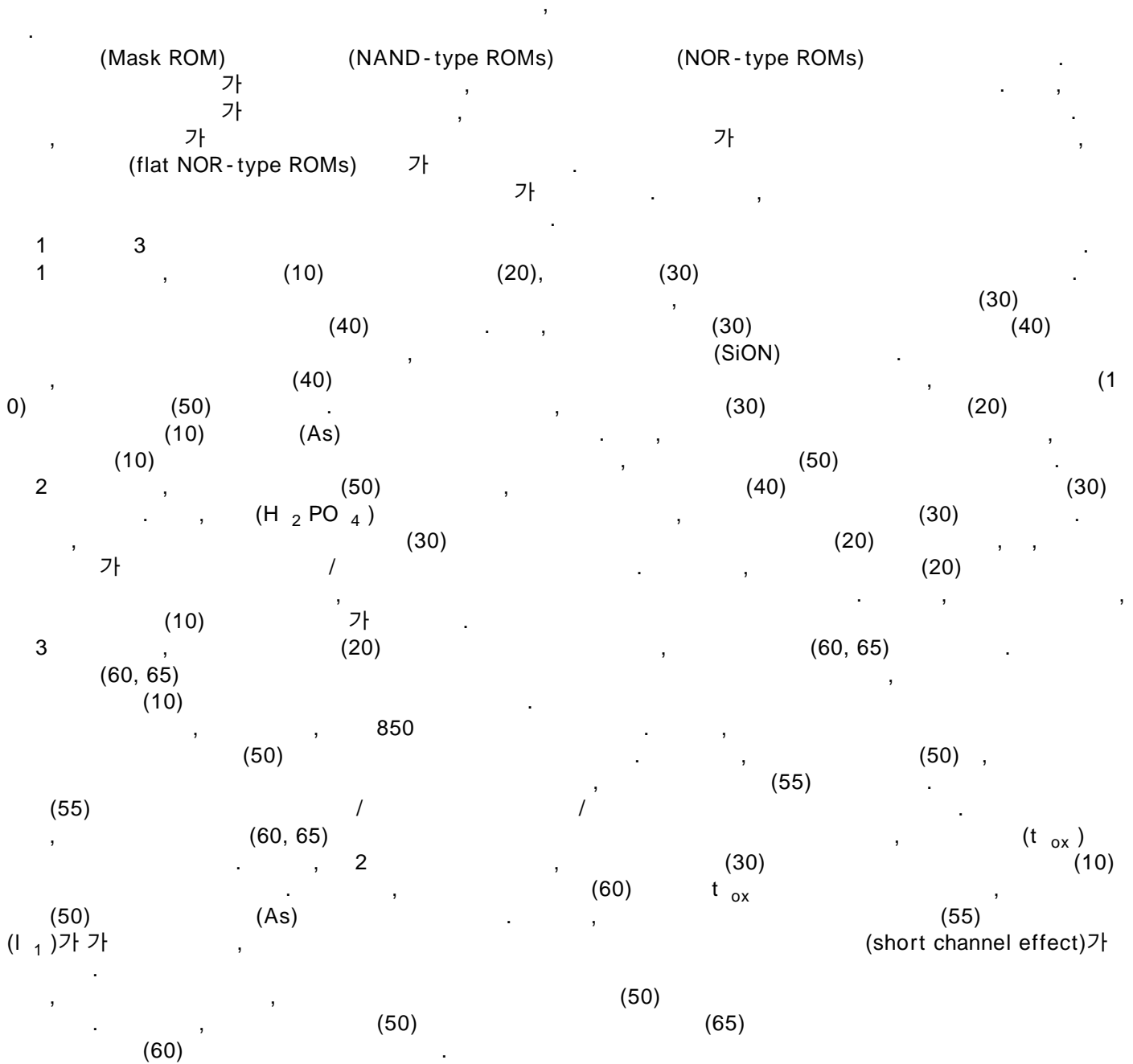
가

가

7

1 3
4 6

7



가

18 atoms/cm³

10

가

3

4

6

4

(100)

(110),

(120)

()

(135)

(130)

(135)

(135)

(120)

(110)

850

(100)

(110)

(110)

(120)

(130)

(anti-reflection)
(120)

가

(120)

10

1000

(120)

(SiON)
()

(ARC,

5

(120)

(130)

(135)

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(140)

(135)

10¹⁴ atoms/cm²

(dose)

(100)

(As)

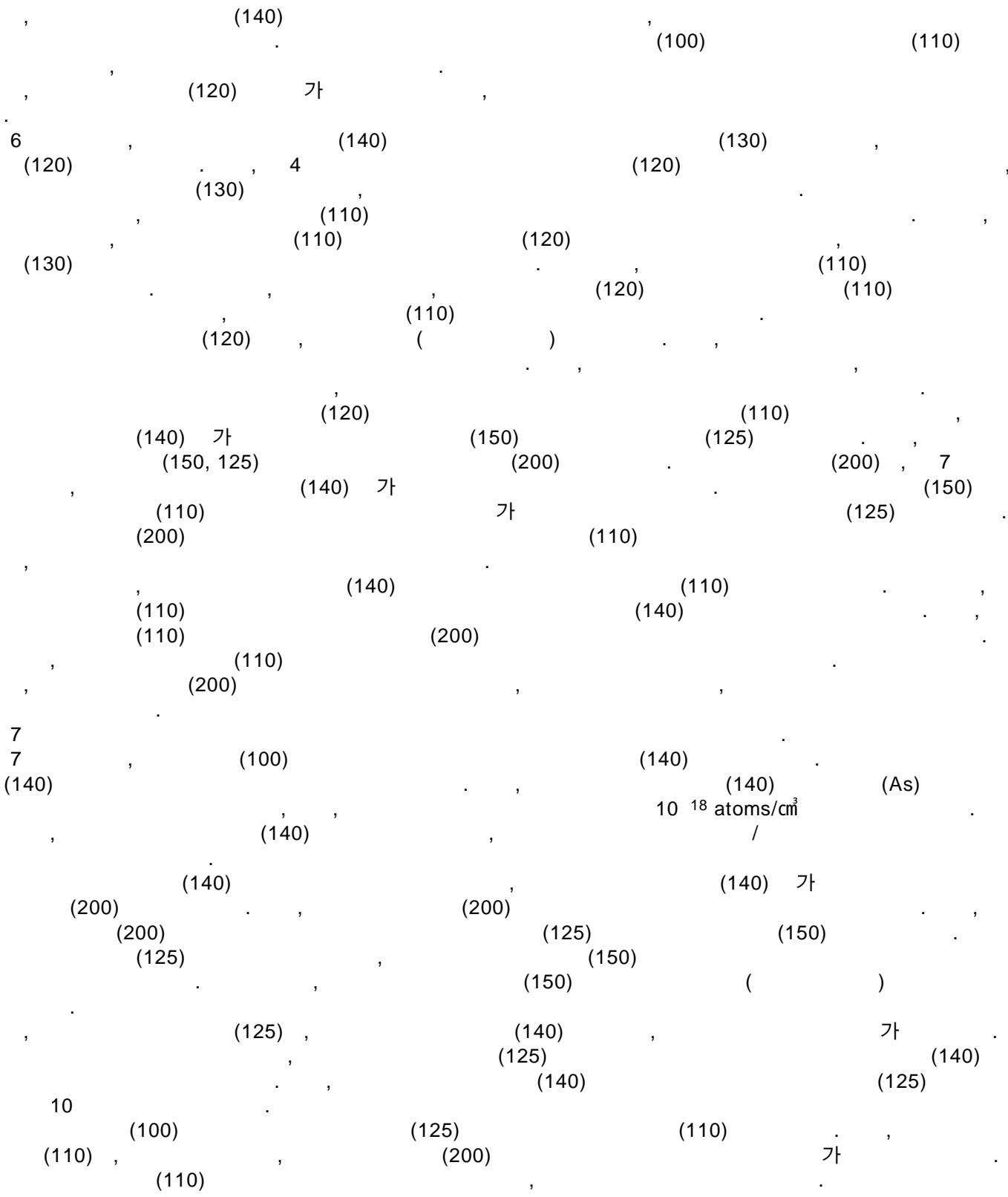
(110)

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1.

가

가

가

가

가

가

가

가

가

가

2.

1 ,

3.

1 ,

4.

1 ,

5.

6.

7.

8.

1 ,

9.

;

10.

9 ,

10^{18} atoms/cm³

11.

12.

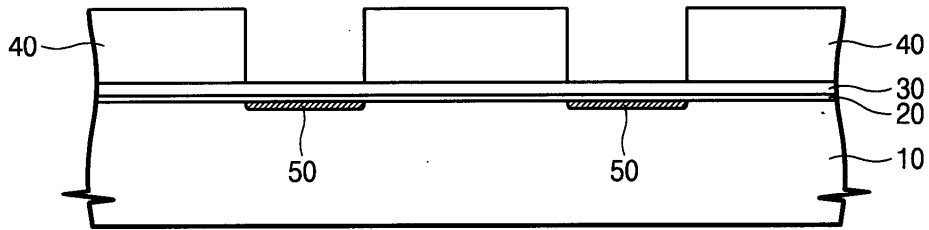
9 ,

13.

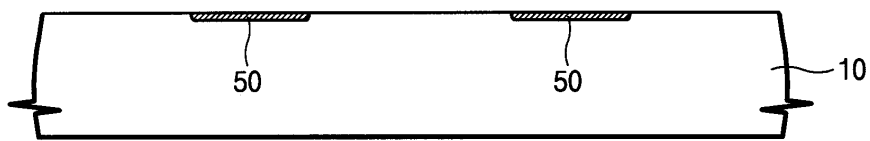
14.

9 ,

1
(종래 기술)



2
(종래 기술)



3
(종래 기술)

