

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁶
H01L 21/66

(45)
(11)
(24)

2002 03 13
10 - 0328361
2002 02 28

(21) 10 - 1999 - 0018212
(22) 1999 05 20

(65) 2000 - 0074341
(43) 2000 12 15

(73)

3 416

(72)

1 103 - 106

(74)

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(54)

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:
n, CD)

, (Critical Dimensio

가

1

1

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2 1 .

* *

2: 22:

SCL: 24:

nm

1G DRAM

16G DRAM
(CD; Critical Dimension)

가 가
가

가

가

가

가

가

(Critical Dimension, CD)

B 0.05 0.2

A_0

$$A_0 + \left\{ \sum_{m=1}^{\infty} A_{m-1} + (A_{m-1} \times B) \right\} +$$

가
CD

1
(2) (22a,22b,22c,22d) (22) (one shot two d
ie) (22) (sawing)

(2)
(SCL)

(scribe line, SCL)

(24)

(22)

(24)

2 1 (24)

(24) (Critical Dimension,CD)

(split)

(24)

($A_{-n}, \dots, A_0, \dots, A_n$)

(A_0)

(A_0)

가

($A_{-n}, \dots, A_0, \dots, A_n$)
 $A_{-1} < A_0 < A_{-1} < A_{-2} < A_{-3} < A_n$ 가

$A_{-n} < A_{-3} < A_{-2} <$

($A_{-n}, \dots, A_0, \dots, A_n$)

5 20%

가

(24)

($A_{-n}, \dots, A_0, \dots, A_n$)

A_0

$$A_0 + \left\{ \sum_{m=1}^{\infty} A_{m-1} + (A_{m-1} \times B) \right\} +$$

B 0.05 0.2

(24) (quartz) (2) (22)

(2) (24)
 (24) 가
 (2)

ment Inpection) , ACI(After Cleaning Inpection)
 , SEM(Scanning Electron Microscope), TEM(Transmission Electron Microscope)
 ADI(After Develop

(24)

(24)

가 가

가

가

(57)

1.

$$A_0 + \left\{ \sum_{n=1}^{\infty} A_{n-1} + (A_{n-1} \times B) \right\} + ;$$

$$A_c ;$$

B 0.05 0.2

