

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. <sup>7</sup>  
A61F 13/15

(11)  
(43)

2001 - 0064584  
2001 07 09

(21) 10 - 1999 - 0064811  
(22) 1999 12 29

(71)

20

(72)

가 가 3 102 - 706

1604 C - 708

(74)

:

(54)

, 가 가

,

,

1

, , , ,

1 .  
 2 1 A - A .  
 3 1 B - B .  
 4 .  
 < >  
 1: ,2: 가 ,  
 3: ,4: ,  
 5: ,6: ,  
 7: 가 ,9: ,  
 10: ,11: ,  
 12: ,13: ,  
 14: 가 ,15: ,  
 16: ,17: 가 ,  
 18: 가 ,19: ,  
 20: 가 ,21: ,  
 D: .

가 , 가 , 가  
 가 , 가 , 가  
 able diaper), (sanitary napkin), (panty liner) 가 (dispos  
 (back sheet) (top sheet) (absorbent core)

(fluff pulp),  
(top sheet)

(super absorbent polymer)

(tissue)

(baby diaper),

(adult diaper)

(sanitary napkin)

가

가

가

가

가

가

1 20mm  
0.5

10 40%

가

0.5 1.5

1 (D)

(D)

(1), 가  
(D)

(2)

가

(3)

2 1 가 (2) A - A

3 1 (1) B - B

4

2 3 가 (2) (1)(3) 가 (7)

(4)

(6)

(5)

(5)

가

(7)

(5)

가

(10)

가

(7)

(D)  
(11)

(D)

(5) (13), (12) (9)

(6)

(12)

(12)

(9)

(12)

(13)

(13)

(5)

, T

1

" T"

(5)

(12)

(13)

(D)

(5)

(12)

(13)

(21)

(6)

(5)

(6)

(5)

(21)

가

가

(21) (5) 가 (5) 가  
(5)

(21) (embossing) , , .

(21) 가 , , , , , 1 15mm ,  
1 5mm 10 40% .

(21) 가 1mm 10% 가 가 40  
(5) 가 (21) .  
%

(21) 가

가 (7) 가 (18), 가 (14), 가 (20), 가 (17)

(5) 가 (7) 가 , 가  
(10) (D) 가

(D) (11) .

(1) 가 (D) (3) (16) (D)  
(15) (16) (targ

et)

(16) , (hook) ,  
(15) (loop) .

(11) (D) (1)(3) , (10) 가  
(2) (1)(3) .

(polyurethane foam), (polyurethane film),  
(polyurethane spandex) .

(11) (10) ,

(10) (4) (5) " C" 가  
가 (2) , (1)(3) .

(10) (4) (6) (5) 가 (7)

(10)가 (10) (10) 가 (7) 가 (7) (18)  
50% , (D) 150 180% 130 2 .

	(11)		(D)		(5)	가
	(11)	(1)(3)	(10)		(5)	가
(16)	(1)(3) (19)		(19)	(16)		(3)
	8	2				
( 1)						
(21)	200mm, (D)	(6), 1 5mm 100mm	(4),	(5) (6)	(5)	15% (5)
( 2)						
(21)	200mm, (D)	1 5mm 100mm		(6)	(5)	20% (5)
( 3)						
(21)	200mm, (D)	1 5mm 100mm		(6)	(5)	25% (5)
( 4)						
(21)	200mm, (D)	1 5mm 100mm		(6)	(5)	30% (5)
( 5)						
(21)	200mm, (D)	1 5mm 100mm		(6)	(5)	35% (5)
( 6)						
(21)	200mm, (D)	1 5mm 100mm		(6)	(5)	40% (5)

( 1)

(6), (4), (5), (21)  
(D)

( 2)

1, 1 5mm, 10%  
(21), 200mm, 100mm, (6) (5) (5)  
(D)

( 3)

1, 1 5mm, 45%  
(21), 200mm, 100mm, (6) (5) (5)  
(D)

100, 1 6, 1 3, (D), 6 15kg, 1

[ 1]

가

	가 (100, 5 )		
1	4.3	4.5	4.1
2	4.2	4.5	4.1
3	4.2	4.3	4.1
4	4.0	4.3	4.0
5	3.9	4.2	3.9
6	3.8	4.2	3.8
1	3.5	3.7	3.0
2	3.4	3.8	2.4
3	3.6	3.0	3.7

가;

1 : , 2 : , 3 :

4 : , 5 :

;

: 4.5 , 4.1 4.5

: 3.5 , 3.1 3.5

: 3.0 , 2.6 3.0

: 2.5 , 2.5

1 6 1 3  
가 2

[ 2 ]

가

	가				
	(sec)	(cm <sup>3</sup> )	(%)	(g)	( )
1	15	190	93	0	
2	18	185	93	0	
3	18	180	90	0	
4	20	178	90	0	
5	23	175	90	0	
6	25	170	87	0	
1	30	149	80	20	
2	18	240	93	30	
3	28	150	82	0	

: 0.9% NaCl ( ) 50Mℓ가

: 50Mℓ가

: 150Mℓ , 2

1, 2

10%

40%

1 6

2

3

가

가

2

가

가

가

(57)

1.

2.

1 ,  
1 20mm 10 40%

3.

1 2 ,  
, , .

4.

1 2 ,  
0.5 1.5 , 0.5

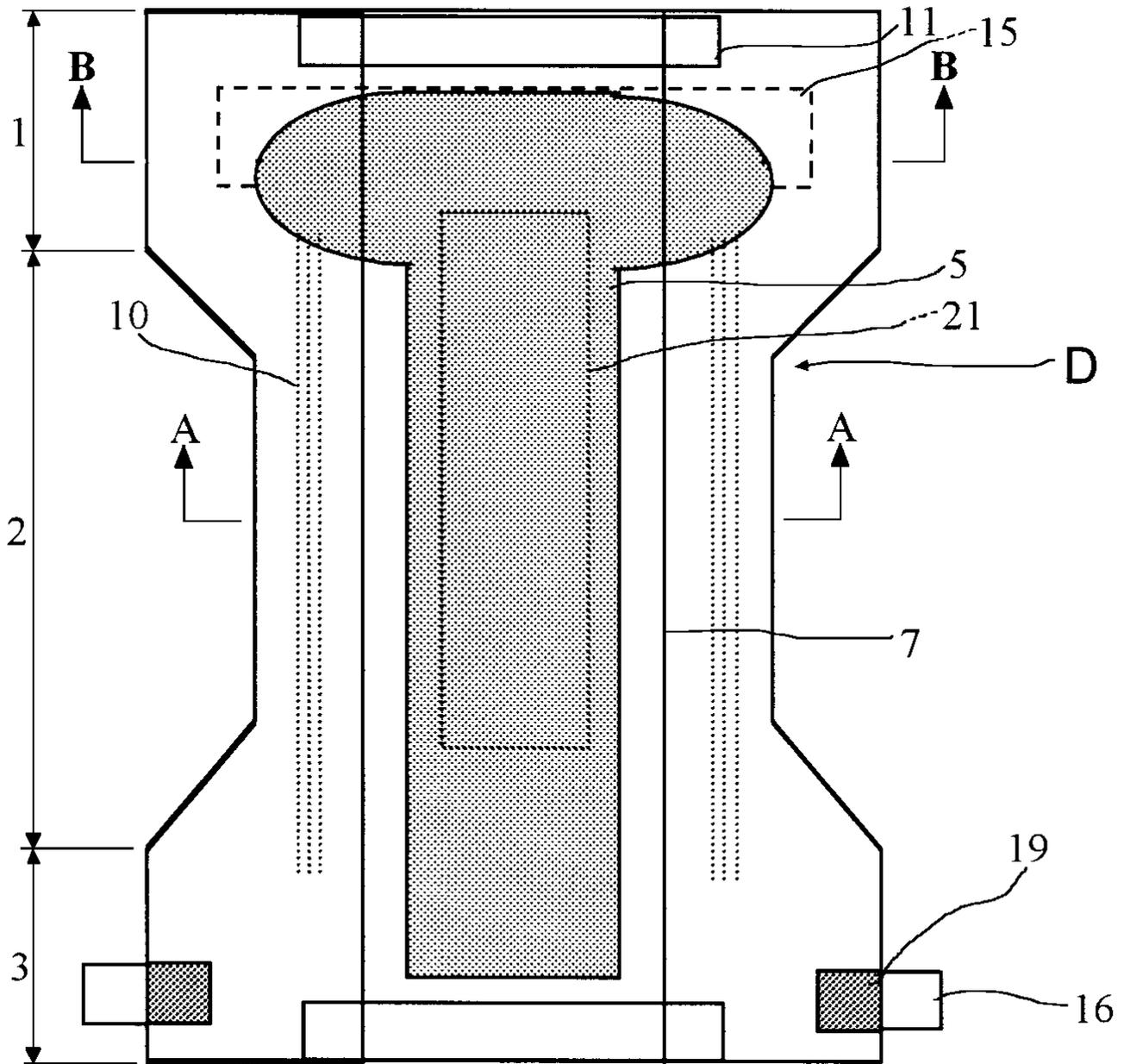
5.

1 2 ,  
.

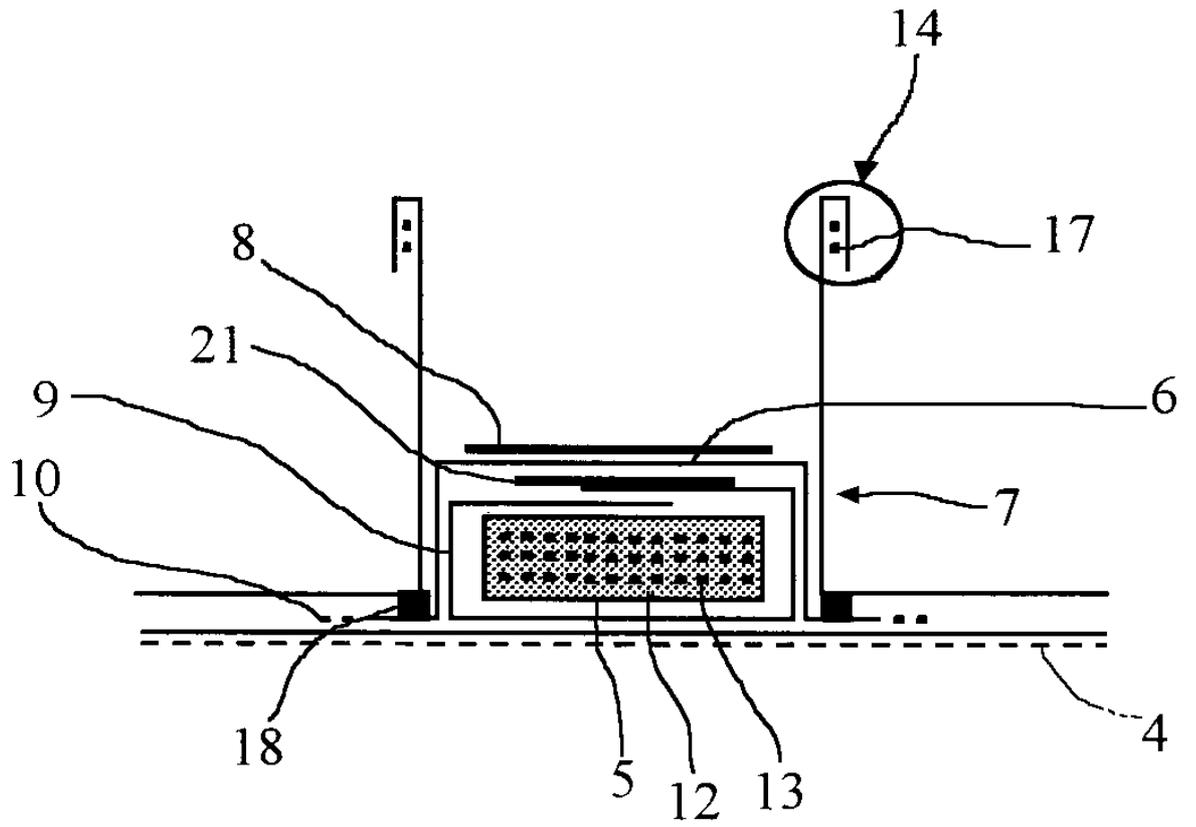
6.

1 2 ,  
.

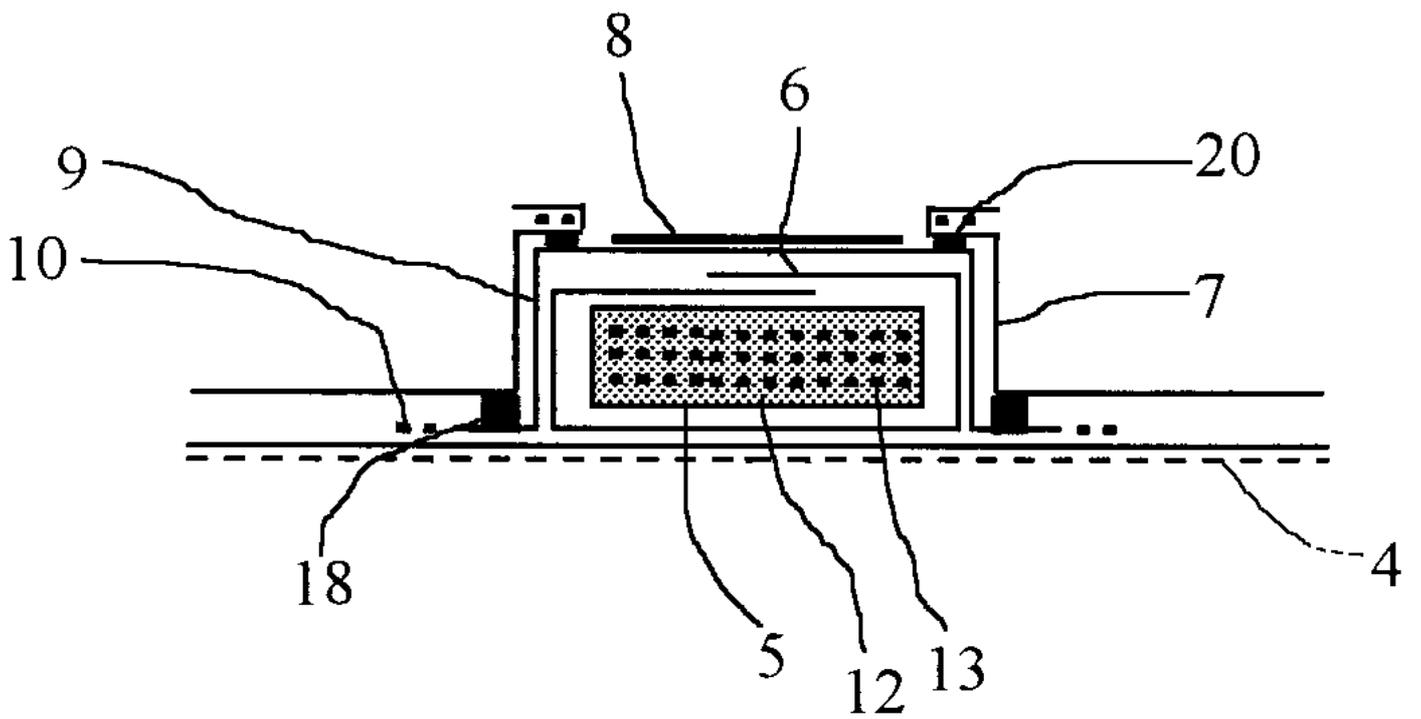
1



2

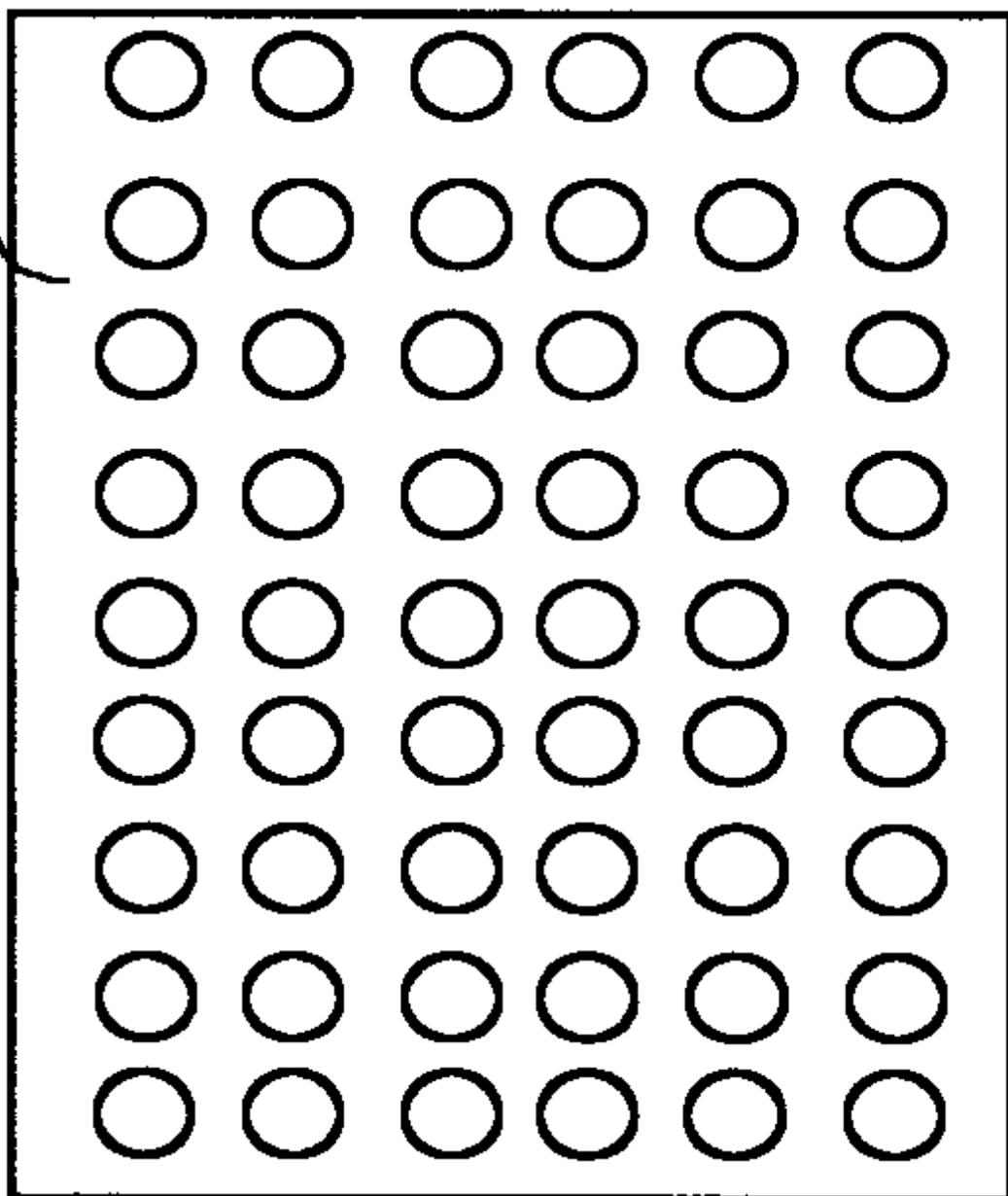


3



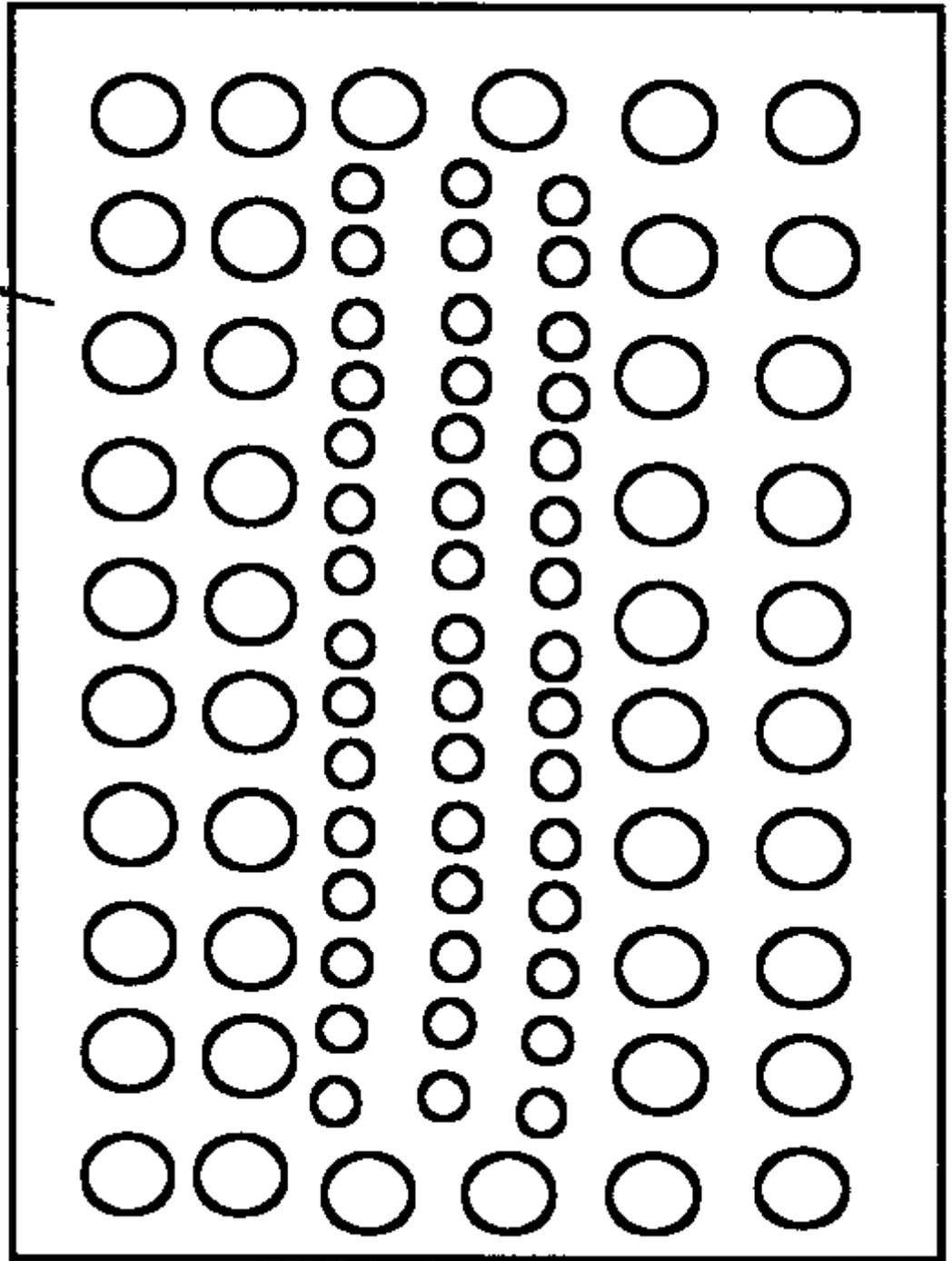
4a

21

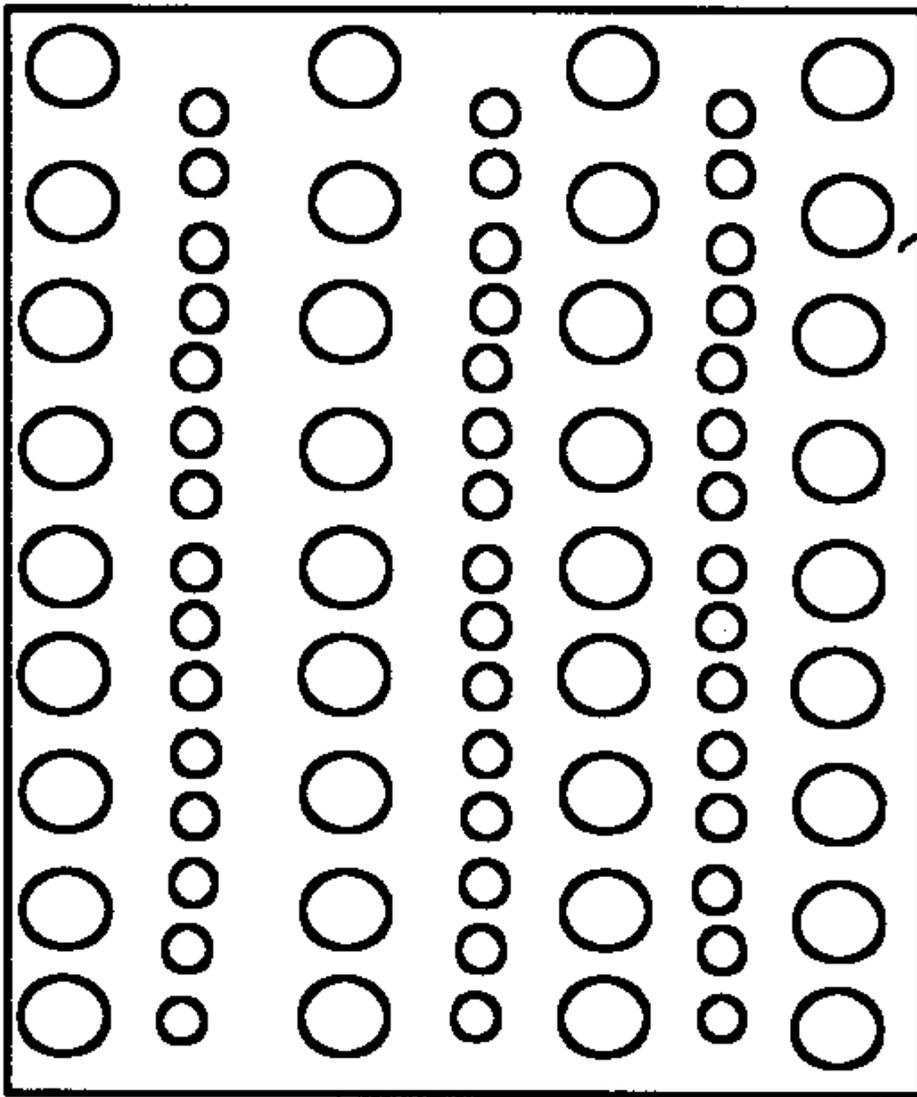


4b

21



4c



21

4d

21

