

(19) (KR)  
(12) (A)

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(21)	10-2004-7001973		
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(72) 55133-3427 33427

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(74)

:

(54)

(200) 3 가  
(210) ,  
(220) 3

2 1

2

, 3 , , ,

3 , 3

가  
(optical shuffle)'  
8  
8 2 가 1 2 가 1 8  
(Cm) 가 64 (Fn) Cm' Cm CmFn  
가

가

가

Flex Foil ®  
5,204,925  
(pressure sensitive adhe  
가

(Bonanni)  
Mylar ® Kapton ® 가  
sive; PSA)

가  
90 °  
가

가 (Knasel) 6,005,991  
가 (PCB)  
가 Mylor ®  
(multifiber connector) 1  
2

, 가 , 가 . , 가 (splice) . 가 가 가 가 . , 가 ctively sheathed) ' (ruggedized)' 가 가 (prote , 가 . , 가 . Mylor ® , (pressure sensitive adhesive) , 3 . (x-y ) , (z ) 3 . 3 ('SLA'), ('FDM') 가 ('SL S) 3 . (rapid prototyping process) (prototype) 가 SLA 가 가 ('CAD') , 3 CAD . SLA 3 . , 가 가 . 가 8- , 64 , 64 , 8 64 가 가 가 , 가 가 . 가 . , 3 . 가 .

가 .

가 가 .

1 8 x 8 .

2 .

3 .

4 3

5 4 .

6 3

7 ,

8 4 7

9 7 .

10 7

11 7

12 .

13 12

14 .

15 14 .

16 가 , 3

17 , 3

18 (ferrule spring, push-pin connector)

3

19 . 18 3

20 , 3 .

2 6 , 3 가 . , ' 1 3

2 . , ' , 3

가

1 1 , 1 8 가 2 2 1 8 1 1 8 2

1 1 8 2 가 2 , 1 8 8 x 8

2

64 ,

8 , CAD , 8 , 8,

12, 16 24 가 UV 4 ,

8 , 2 1 1 8 2 1 8 1

7 11 , N

N-1 , 1 2 , 1 가 , 8 1 가

8 2 3 2 , 가 , 1 8 2 가 2 ,

CAD , N+2, N-2 ) 가 (

가

CAD 3 3

3 ('FFF'), , 3

('SLA') 가 (tracing) (rasteriz

ing) 3

3 2 1 ,

3 , , 3

3



가 . , 64 (705), (715) (700)  
 (730) 가  
 (700)가 (710 720) 가 4 6  
 (700) 9 , 7 가 가 (700)  
 , 가 . , 가 . ,  
 (700) 10 , 7 가 1 8 가 (700) 1 8 (710)가  
 , 가 11 , 7 가 8 가 8  
 1 (700) 1 (720) 가 . 가  
 가 가  
 , 가  
 12 , 가 (800) (810) 가 (810)  
 (810) (830) (840) (800) (810) (820) 가 (810) (820)  
 (800) , 가 , 가  
 , 13 , 12 가 12  
 , (900) (910) (910) (930) (940) (9  
 20) , (900) (930) (920) (940)  
 (920) 가  
 (910) 12  
 z  
 14 15 , 12 13 가 14  
 15 (800', 900') (810', 910')  
 (820', 920') , 14 15 (810', 910')  
 (850', 950') 가 ,  
 , 14 15 12 13  
 ,  
 16 , (1010) (1020)  
 가 (50) (1000) (1050)

(1010)  
d-mate), (1060) (60) (1060) (blin  
(1020)

17 , 3 (1200)가 (50)  
3 4 (400)  
(50) (crimp barb, 1230) (400)  
8 (450) (1230)

가 가

(100) (50) (50)  
(100) (strain relief boot, 1210), (1220) (1230)  
(50) (1230) (122) (1230)  
(50) (1220), (1230) (400) (400) (400)  
(450) (1230) (400) (50) (100)  
(450) (100) 3 (400)

(410)

18 가 (1410) (1400) 3  
(100) (1450) (100) 3  
(60) (1410) (1460) (1420)  
(1400)

가 가

19 가 (1400) 가  
50.8 mm(2.0 ) 가 25.4 mm(1.0 )  
가 z 305 mm(12.0 )

20 (1510), (1520) (15  
(1500) 3 가 3  
(1550) (700)  
7 11 (1500) (1520)  
550 (1530, fin) (1500)  
(50)  
(50)

1510)가 가 가  
가 가



(57)

1. ,  
1 ,  
1 2 ,  
.
2. 가 .
3. 가 .
4. 가 .
5. 가 가 .
6. 가 .
7. (ruggedized) 가 .
8. 7 , ( load bearing portions) 가 .
9. (termination)가 .
10. 가 .
11. 가 .
12. 가 .
13. .
14. ,  
 ,

15. 14 , 가 .
16. 14 , 2 .
17. 14 , .
18. 14 , .
19. 14 , .
20. 14 , .
21. ( ),  
1 1 ,  
1 2 2 ,  
1 2 , .
22. 21 , 가 가 .
23. 21 , 가 .
24. 23 , 가 2 .
25. 21 , 가 .
26. (a) 1 ,  
(b) 1 2 ,  
(c) .
27. (a) ( ) 1 ( ) , ( ) 1 2

- (b) ,
- (c) 가
- (terminating)

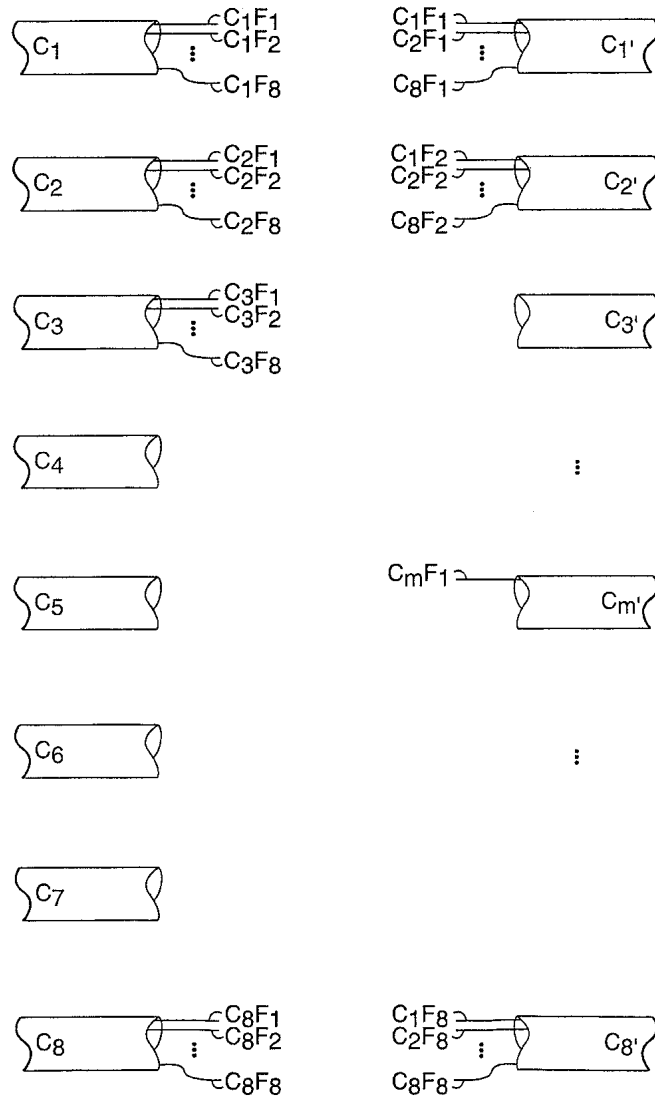
- 28.
- (a) CAD ,
- (b) CAD

- 29.
- (a) 가 C  
AD ,
- (b) CAD

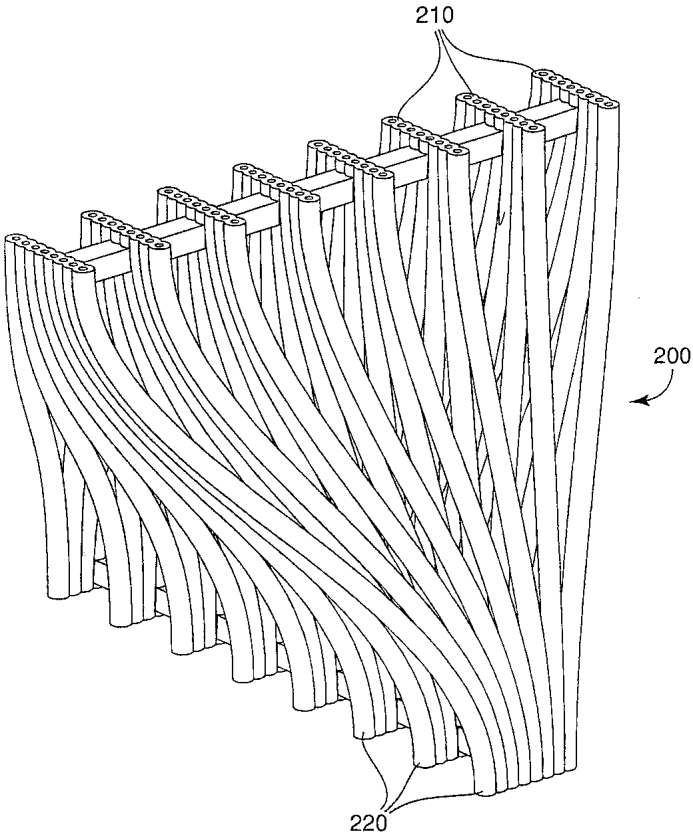
- 30.
- (a) CAD ,
- (b) CAD

- 31.
- ,
- .

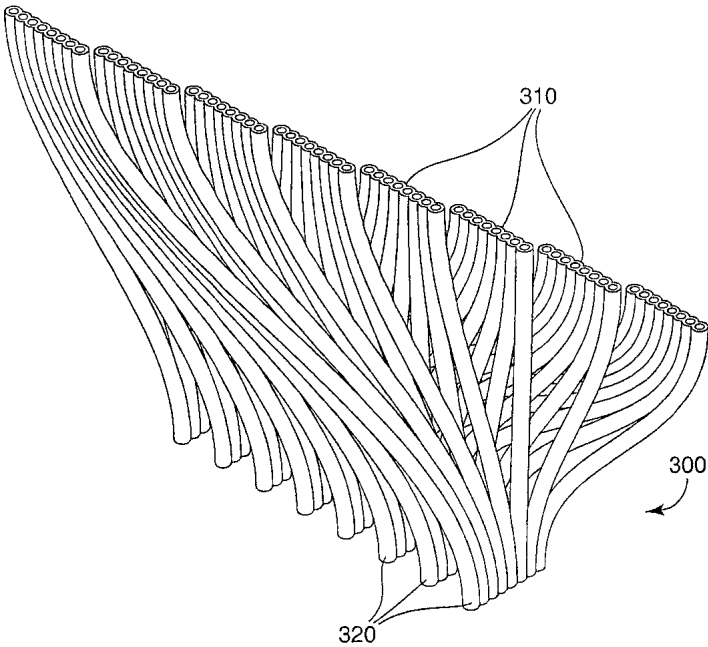
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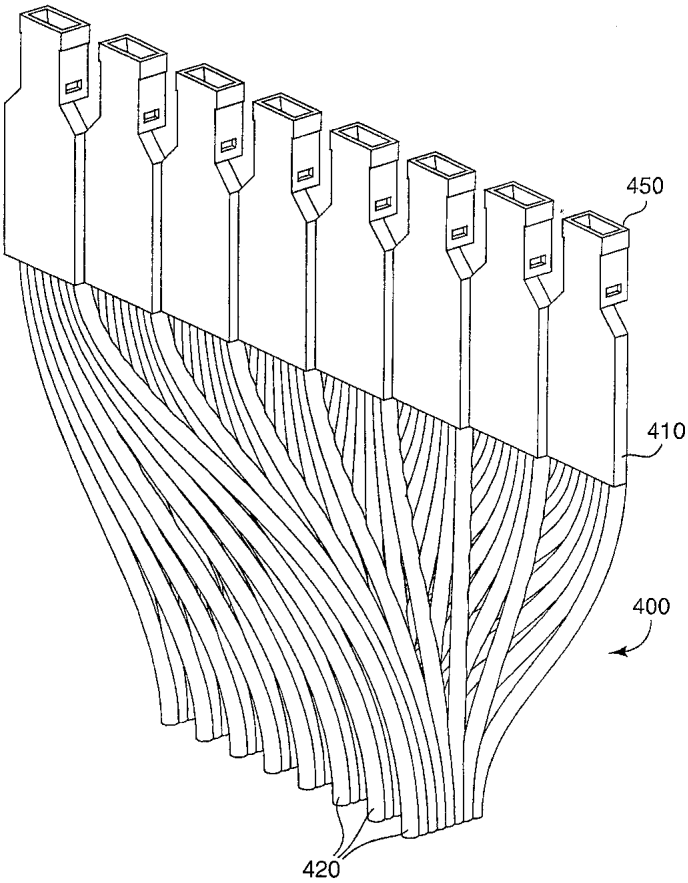
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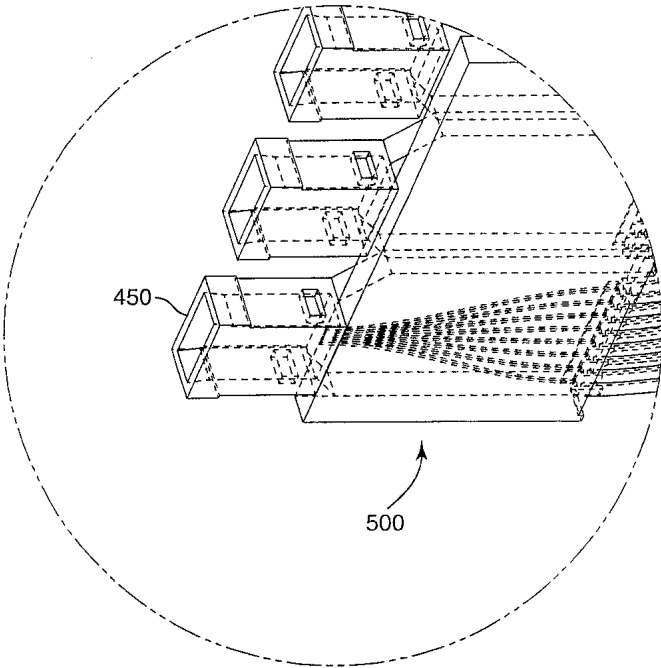
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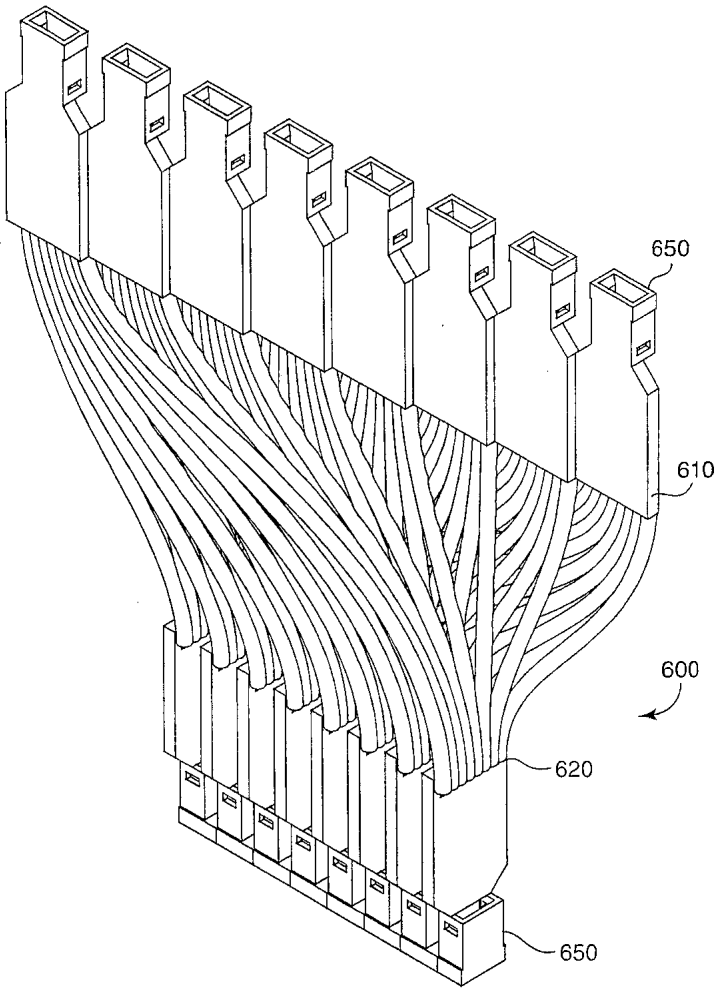
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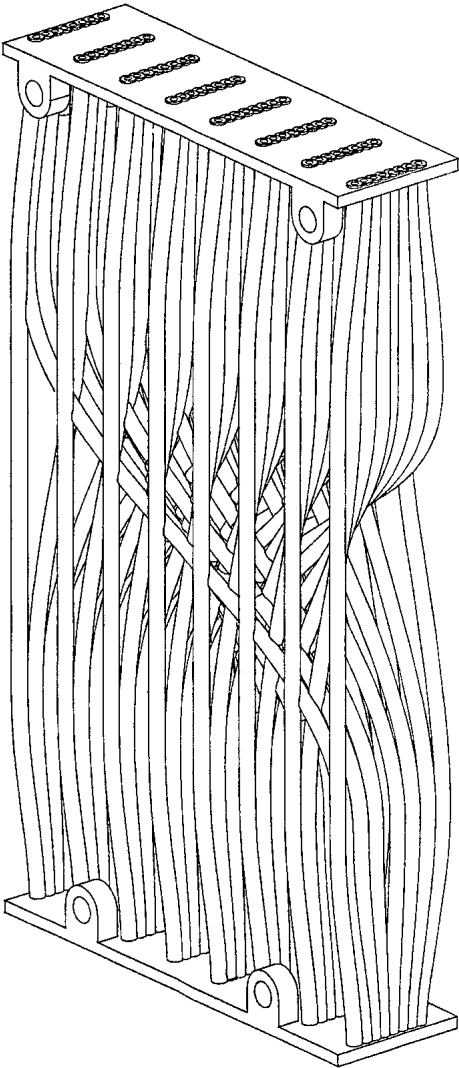
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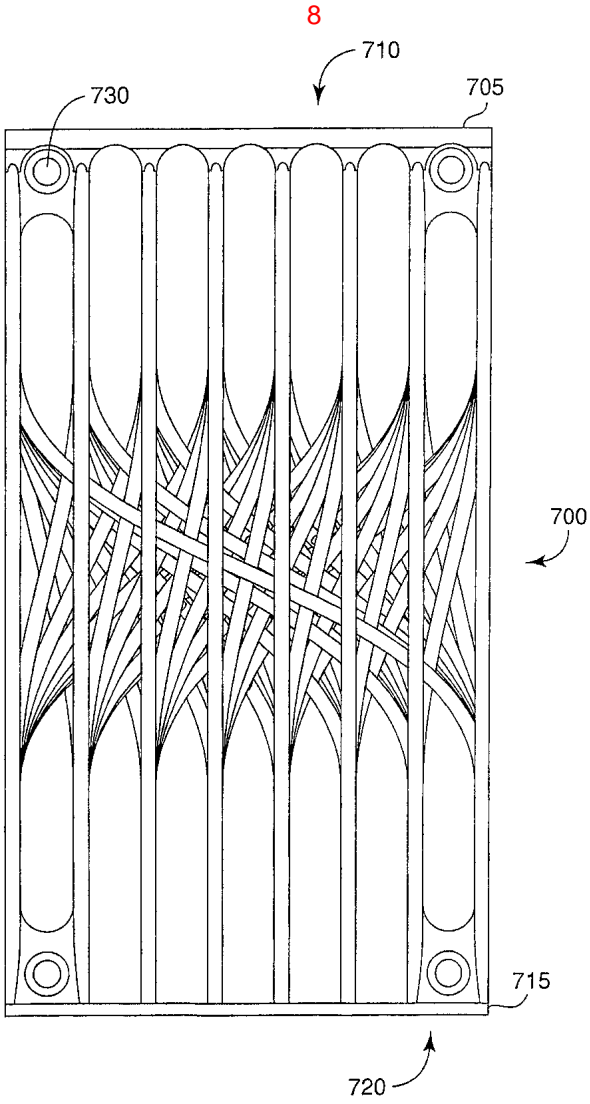


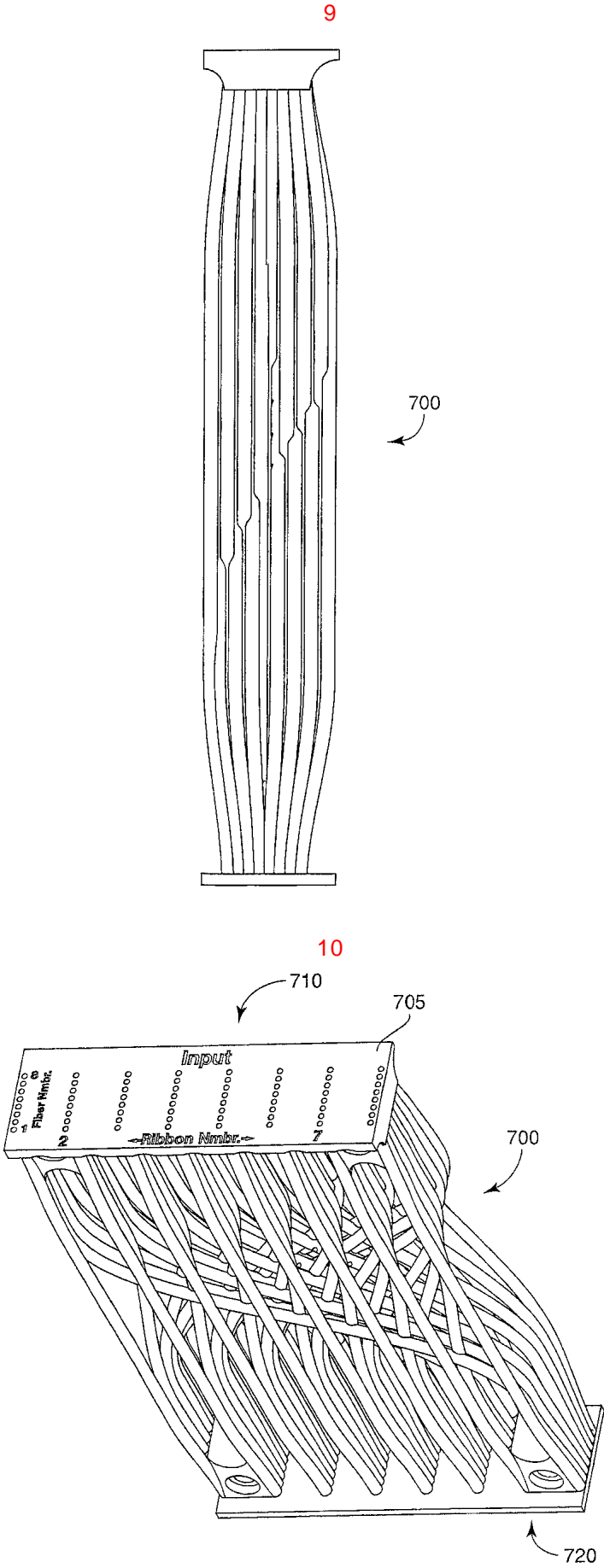
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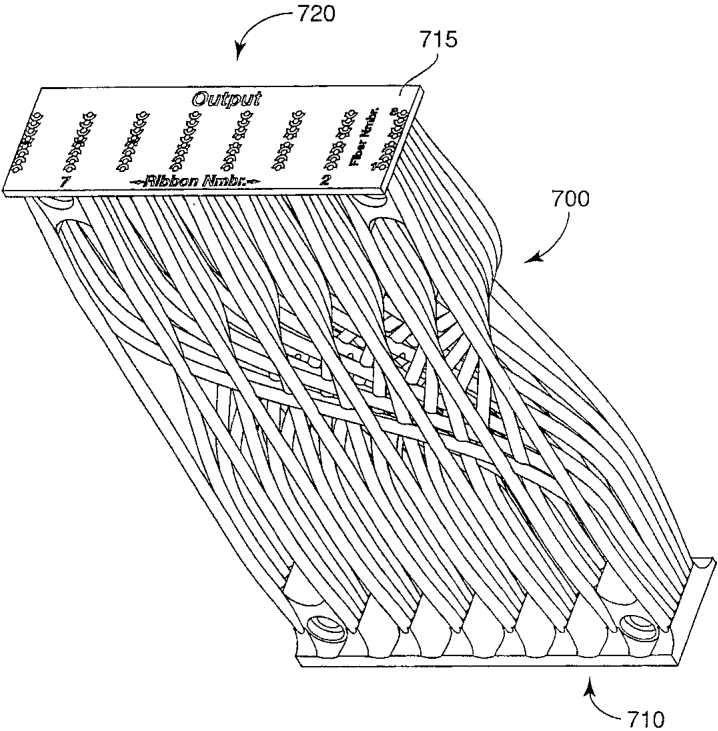
700



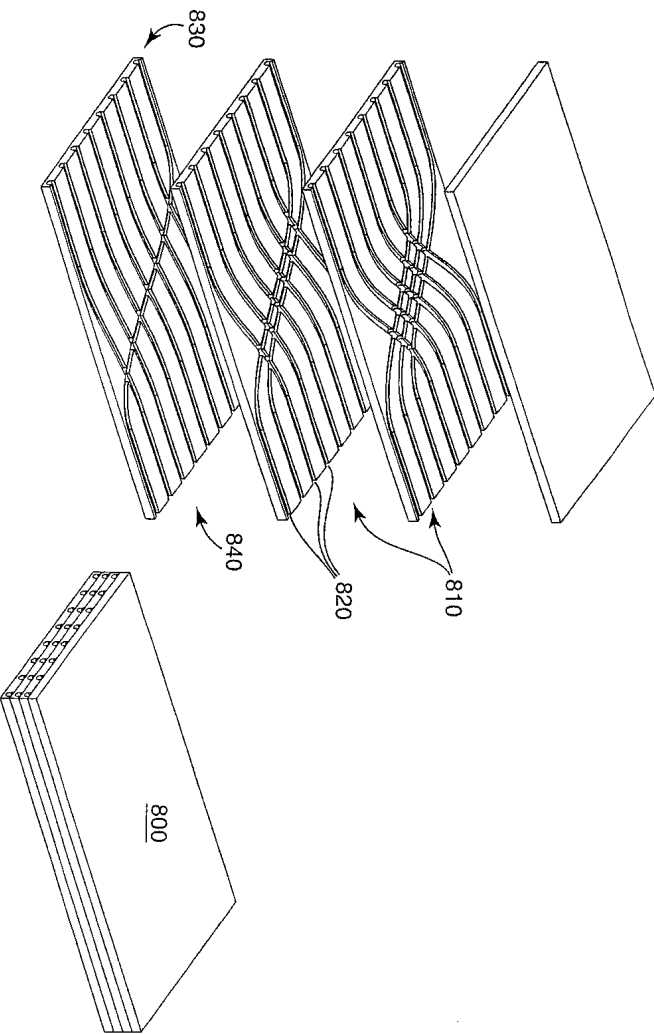




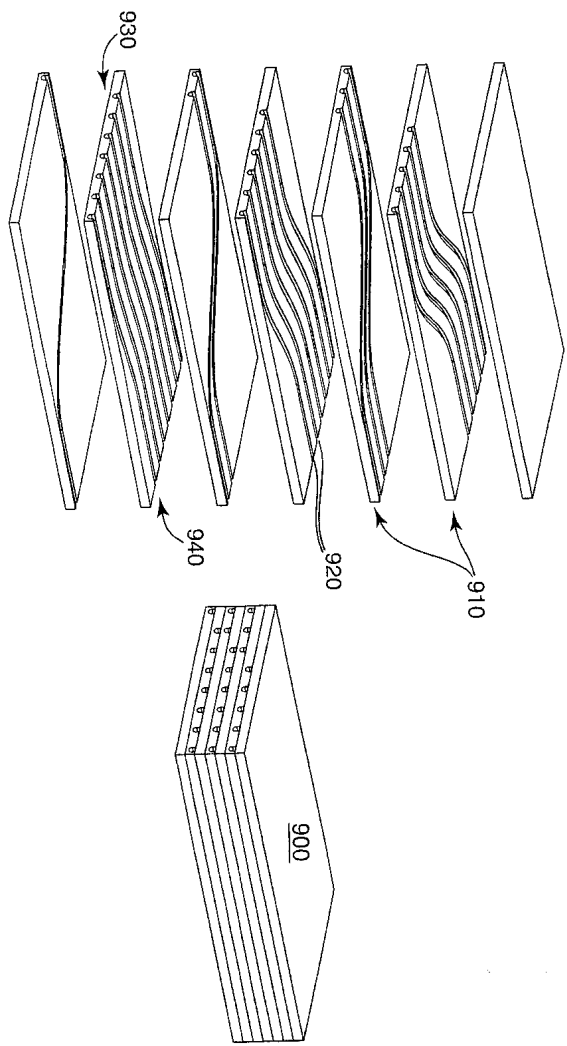
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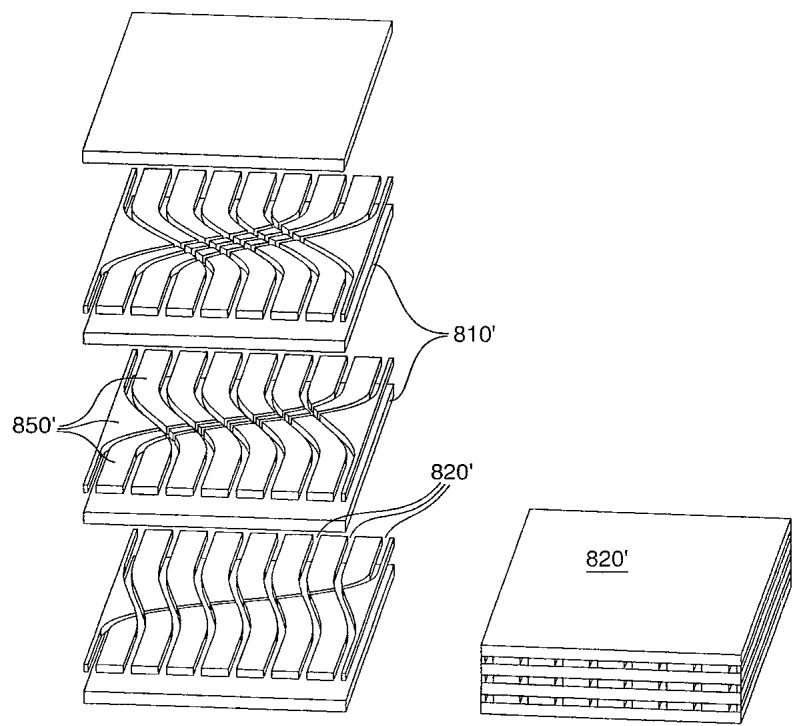
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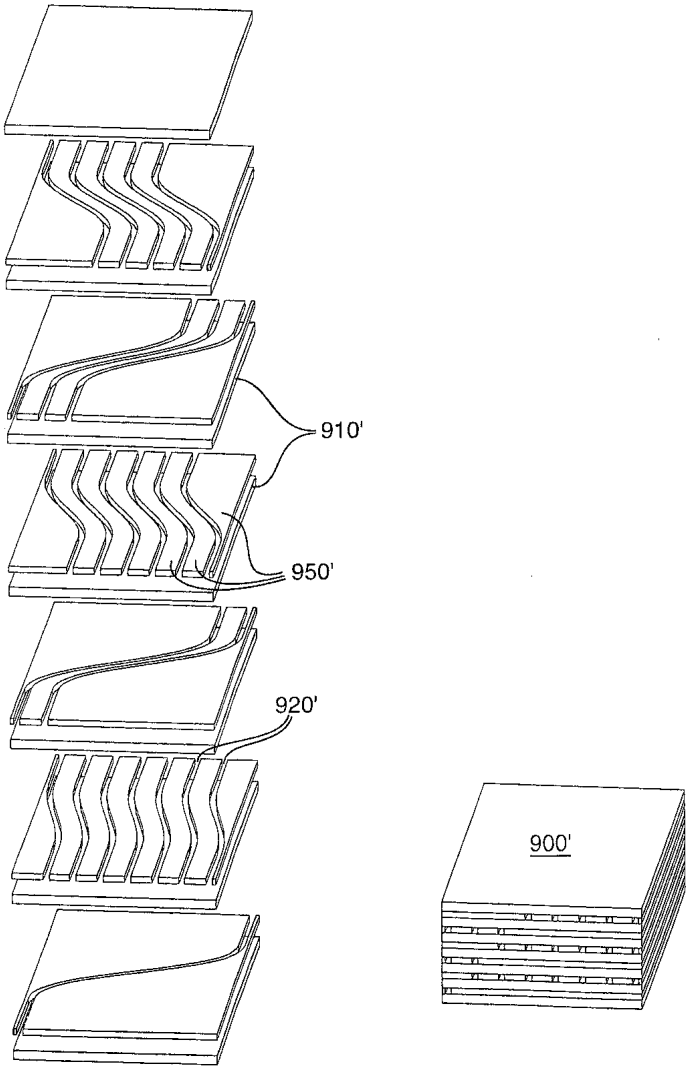
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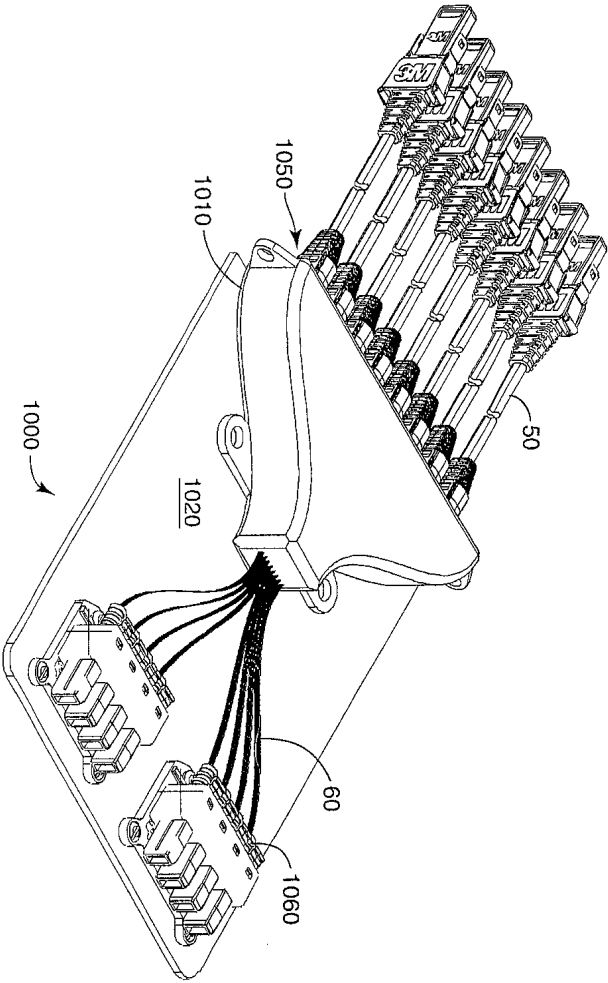
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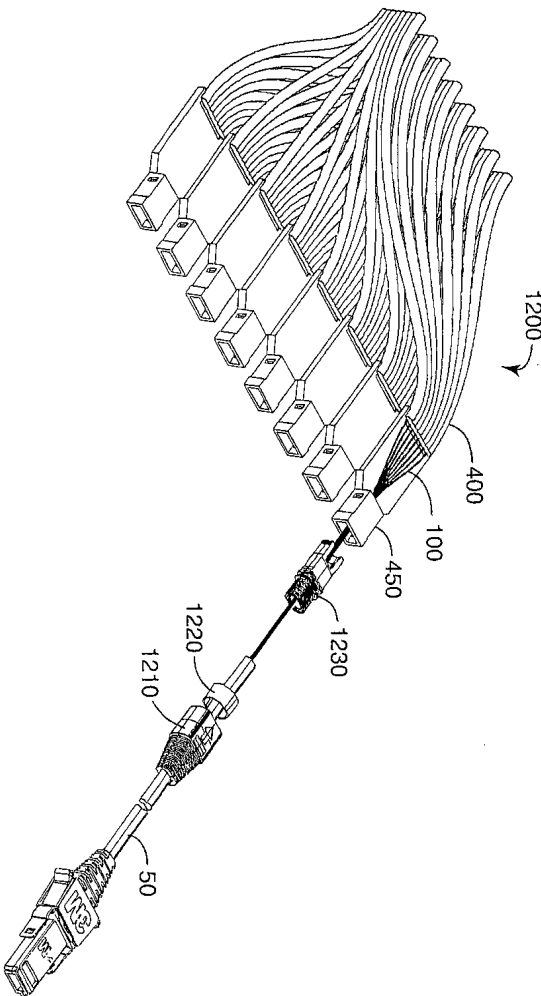
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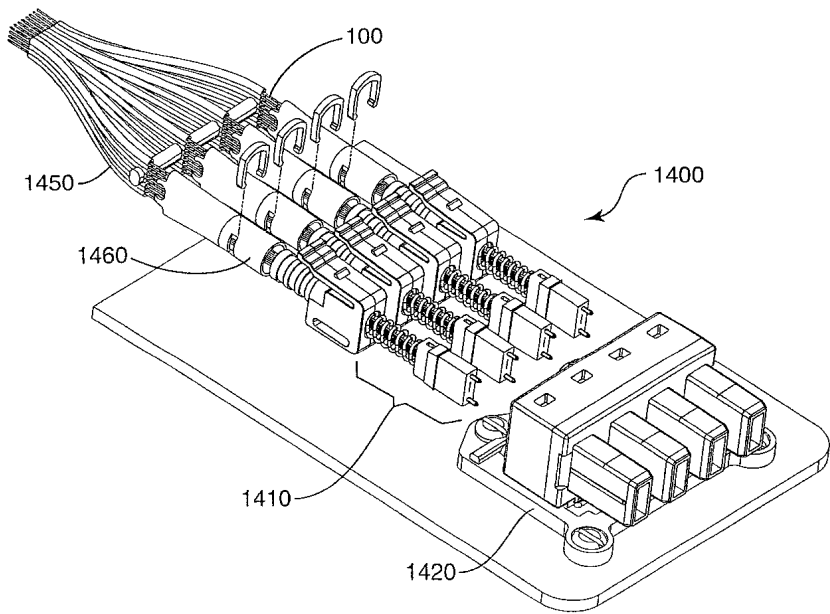
16



17

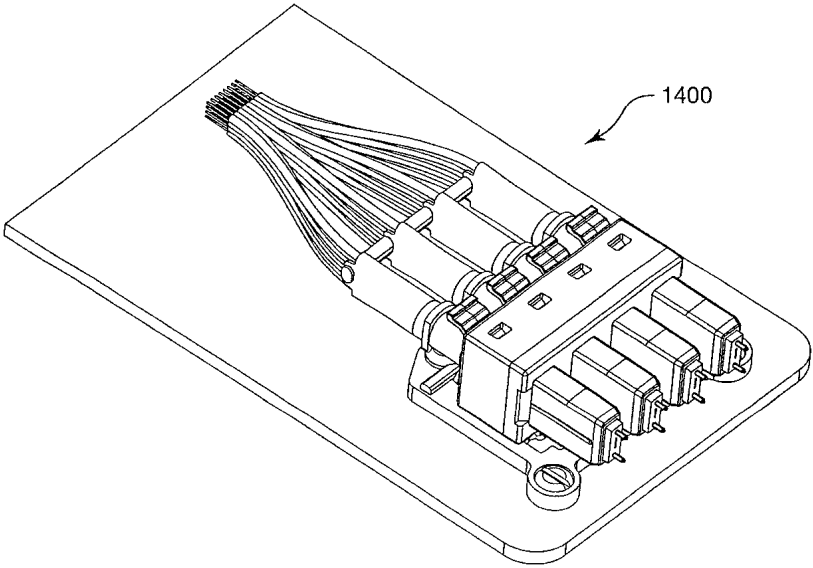


18





19



20

