

(19)
(12)

(KR)
(A)

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(43)

2002 - 0005247
2002 01 17

(21) 10 - 2000 - 0038610
(22) 2000 07 06

(71) 3 7 - 2305

(72) 3 7 - 2305

(74)

⋮

(54)

가 가 , , 가

가 . '

< >

10 : 20 : (Magnetic york)

21 : (Coil) 30 : (Magnetic fluid)

31 : 32 : (Return path)

oke)

(Linear Actuator)

(Magnetic y

(2) , 가 가 (2) , 가 (1) (2) 1

, , 가 (Insulin) 가

, (Pumping force) , 가 , 가

, , 가 , , 가

, 가 , , 가

, 가 , 가

, 가 , 가

, 가 (Driving sequence)

2 6 .

, 가 (10) (21) (20)가

, (10) (30)가 (30) (10)

(31) , (31)

.

(20) (20) (10) 'C' (10)

, (21)

(20) (10) 7 가 (20) (21) .
 , 가 (20) 가
 , 가 (30)가
 .

, (21) 가 (20) (10)
 (30) (30)가 (10)
 , (21) 가

, (10) (20) (31) (1
 30) (32)가 , (32) (30) (10) (31)
 0) (30) (32) 가 , (32)가
 가 , 가 .

(10) 가 1 , (20) 가 7
 ,

8 , a - b - c
 가 , 9a 9d (10)

11a 11d , 10 가 ,
 , 12a, 12b 가 (斷續) 가 ,
 가 , 가
 가 , 가
 , 가
 , (return path)가 가 .

가 .

가 , , ,
.

(57)

1.

가 (10) ,

(10) , (31)
(30) ,

(30) 가 (10)
, (21) 가
(20) .

2.

1 ,

(30) (10) (10) (32)
가 .

3.

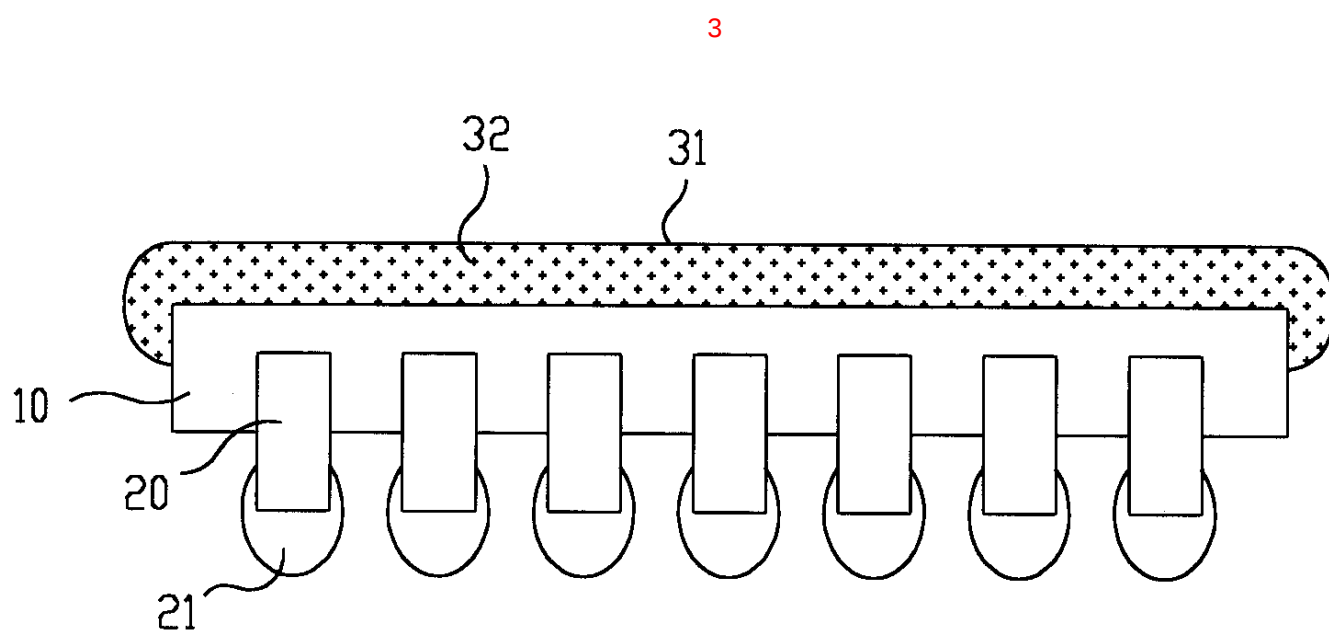
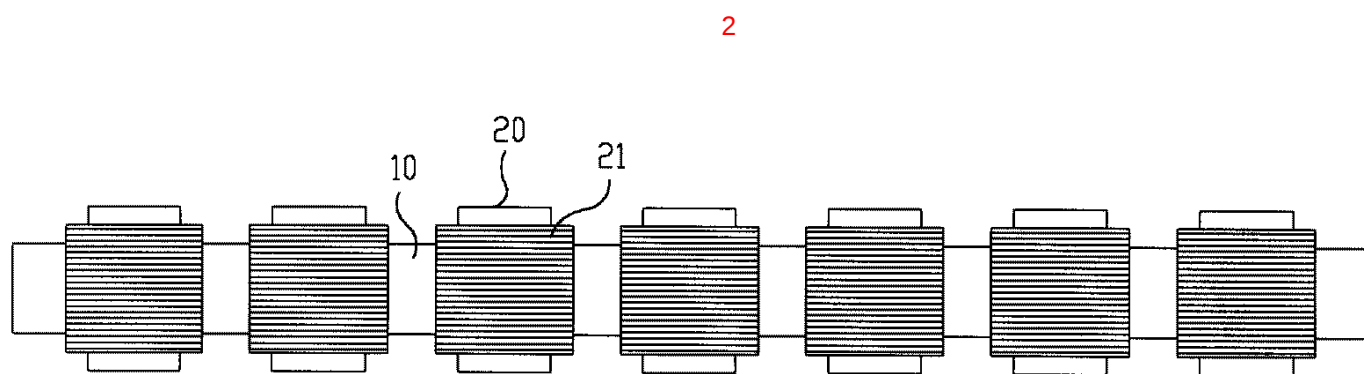
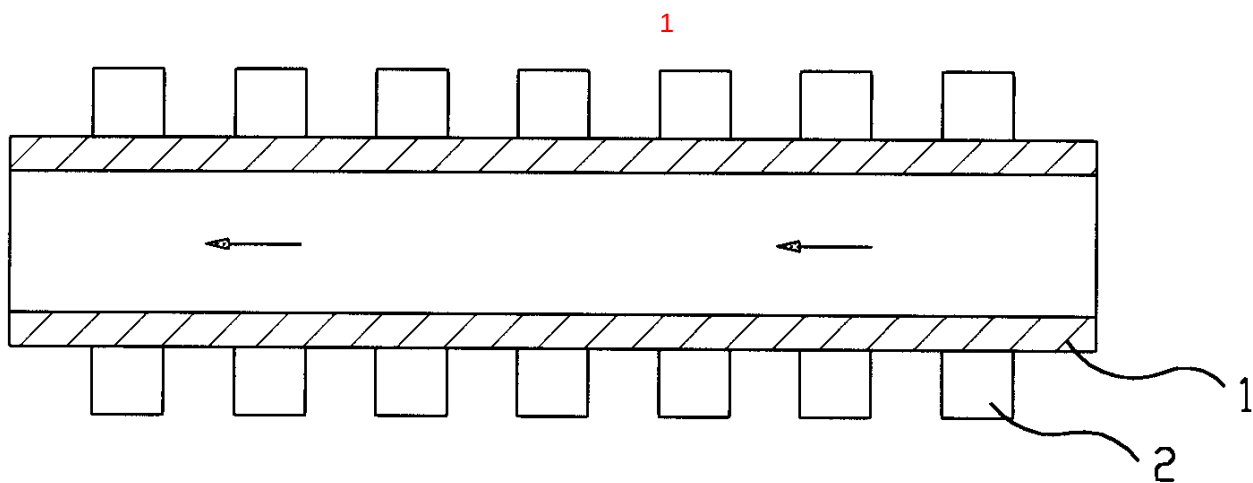
2 ,

(32) (31) (10) (10)
(31) .

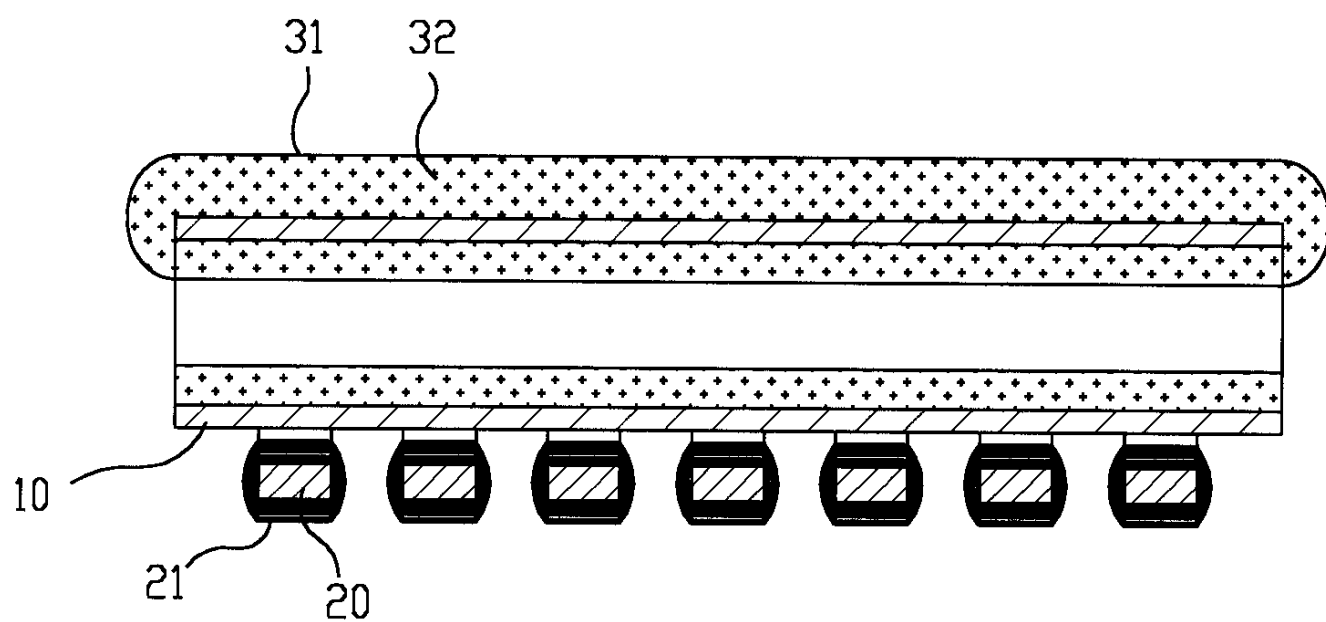
4.

1 ,

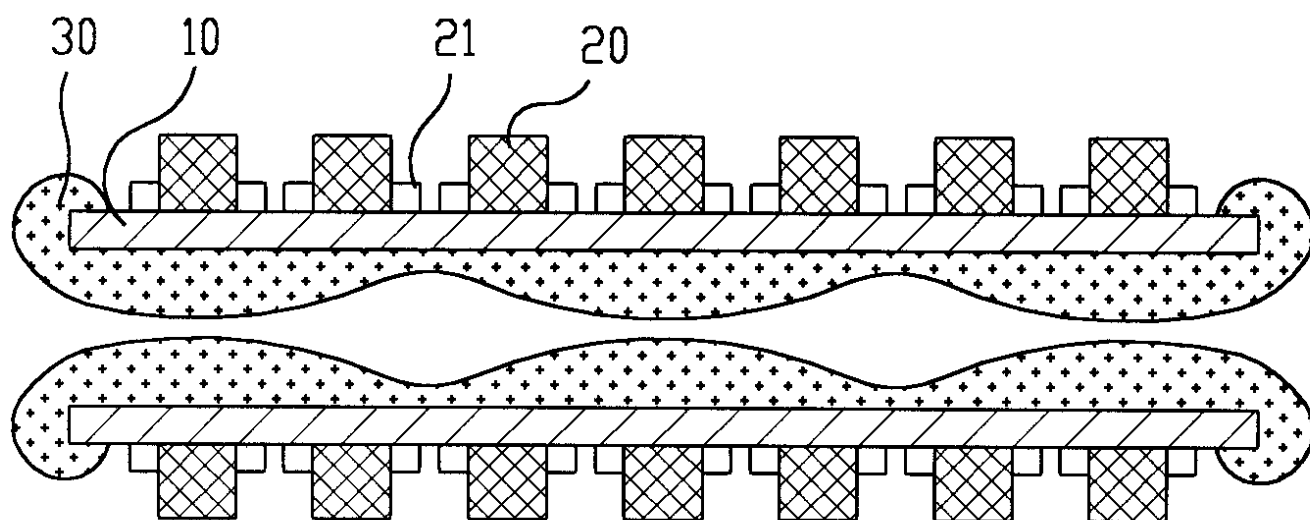
(20) 'C' (10)

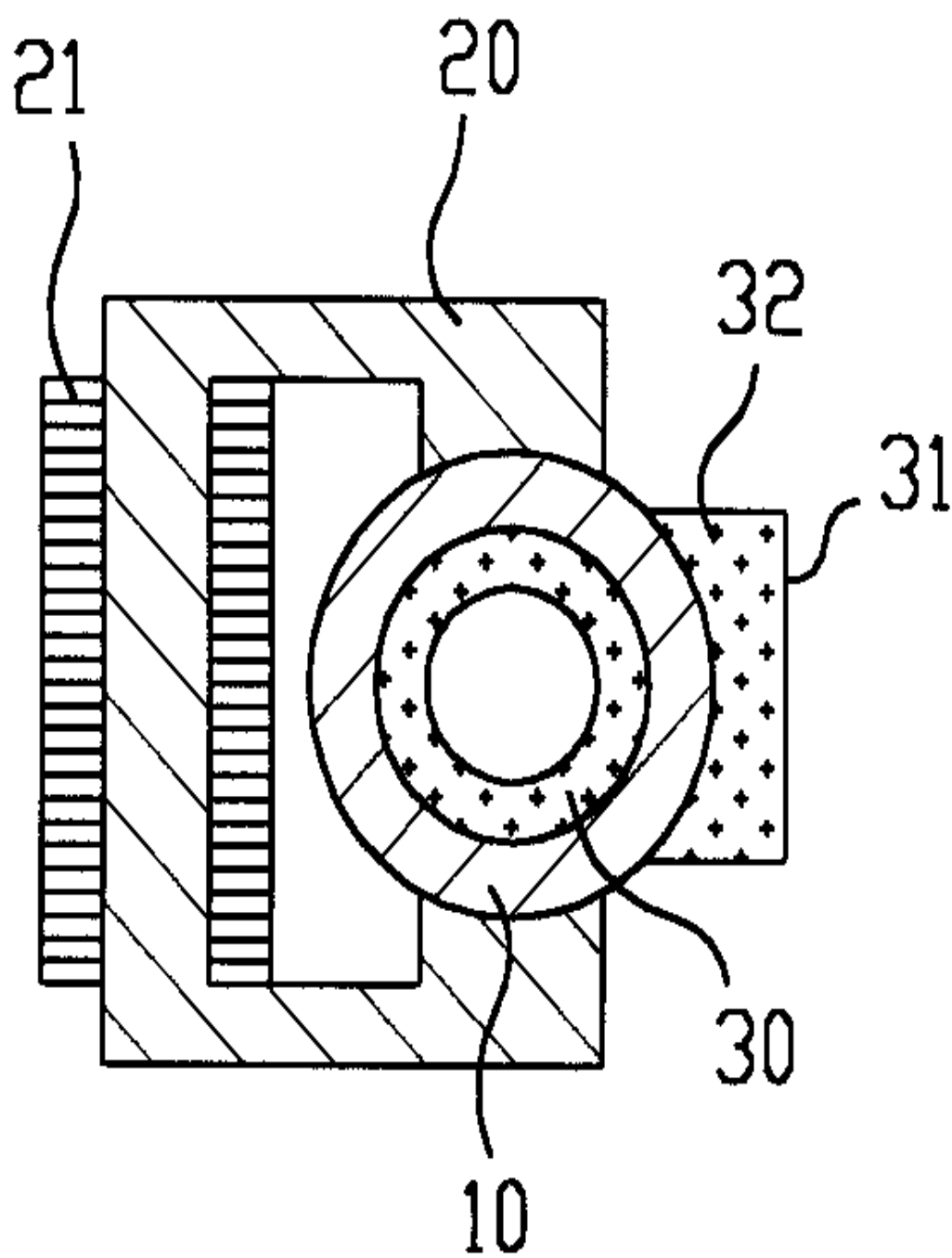


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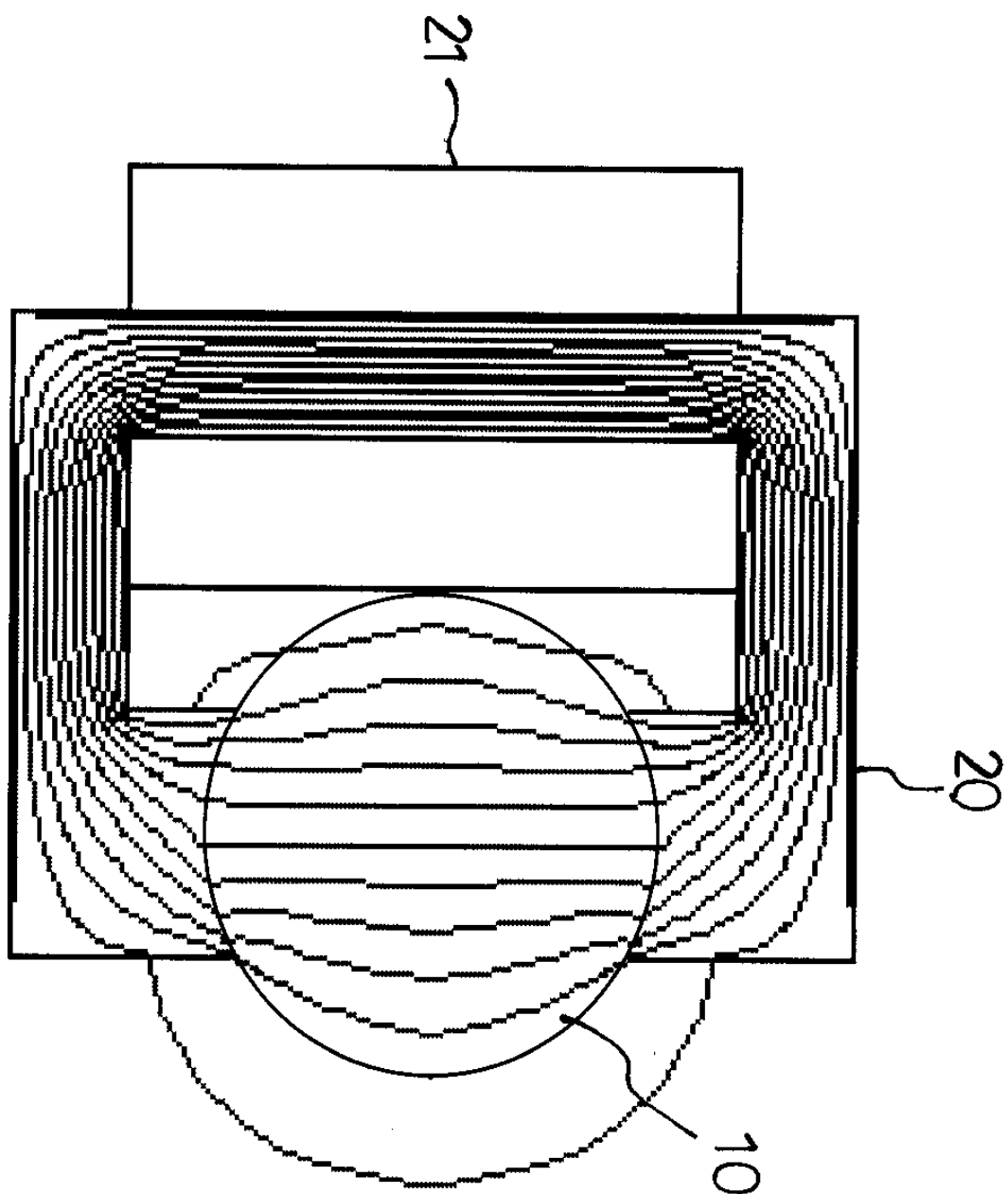


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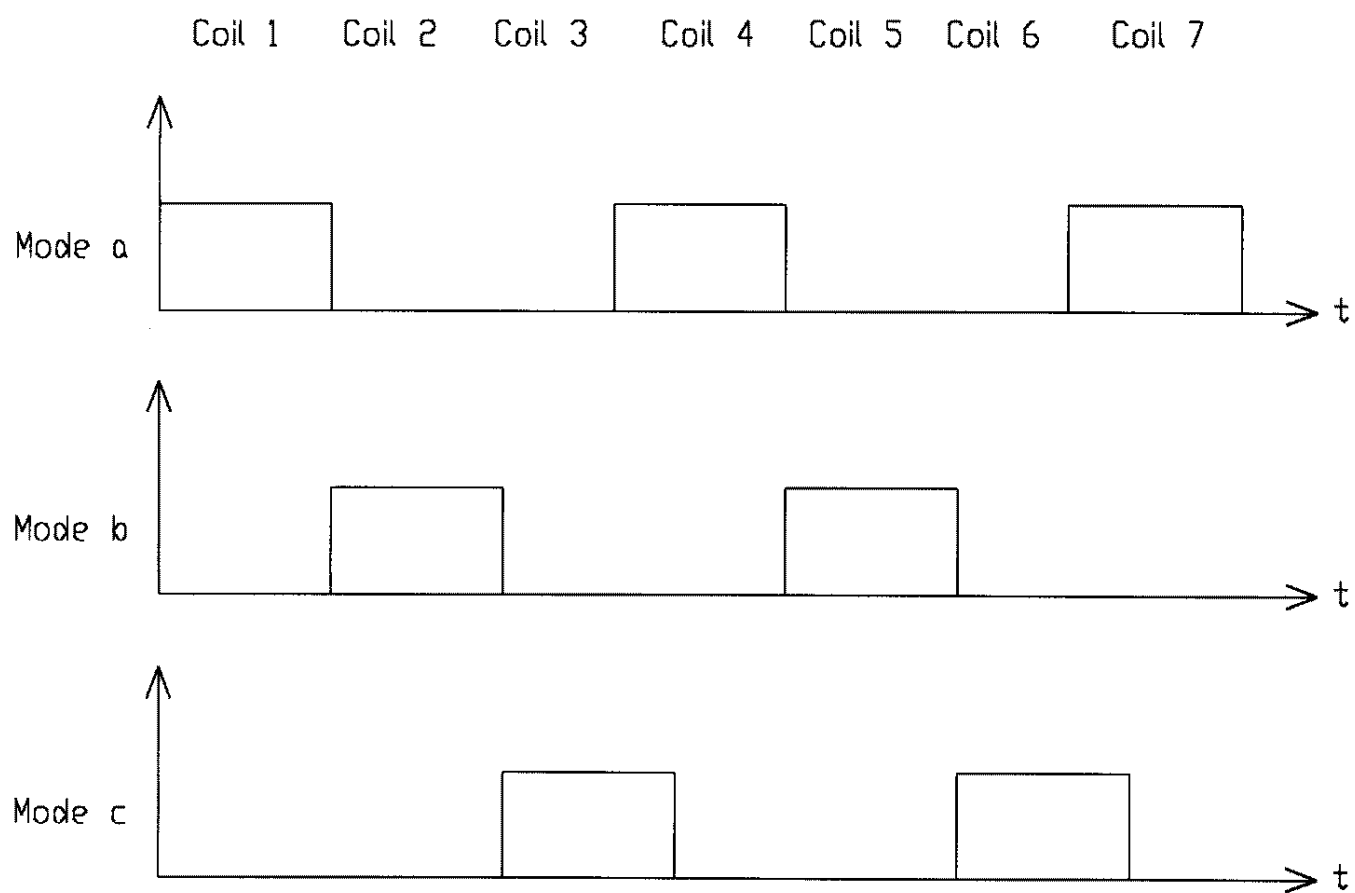




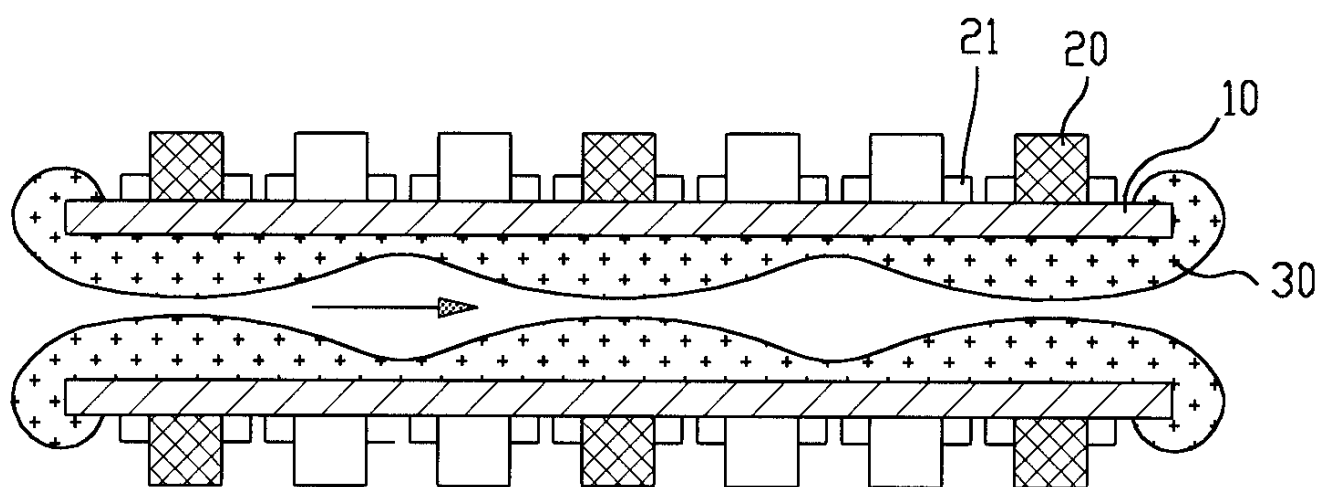
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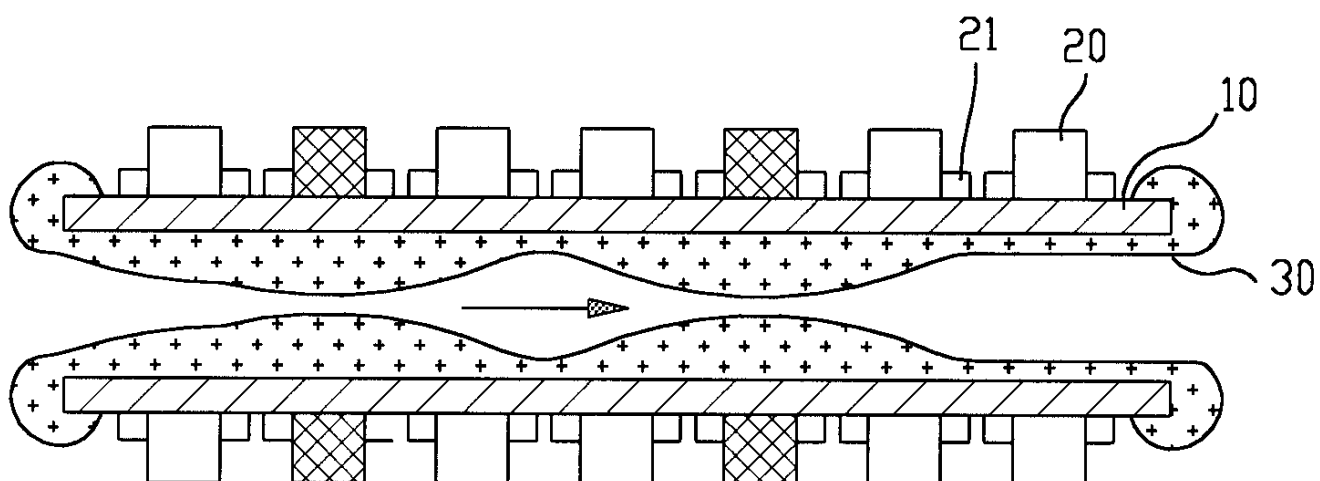
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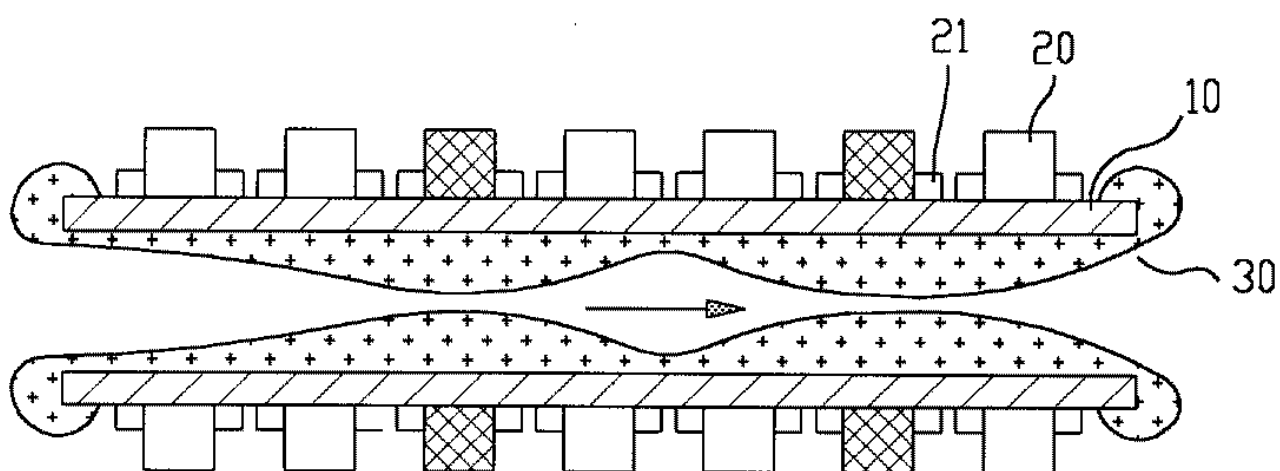
9a



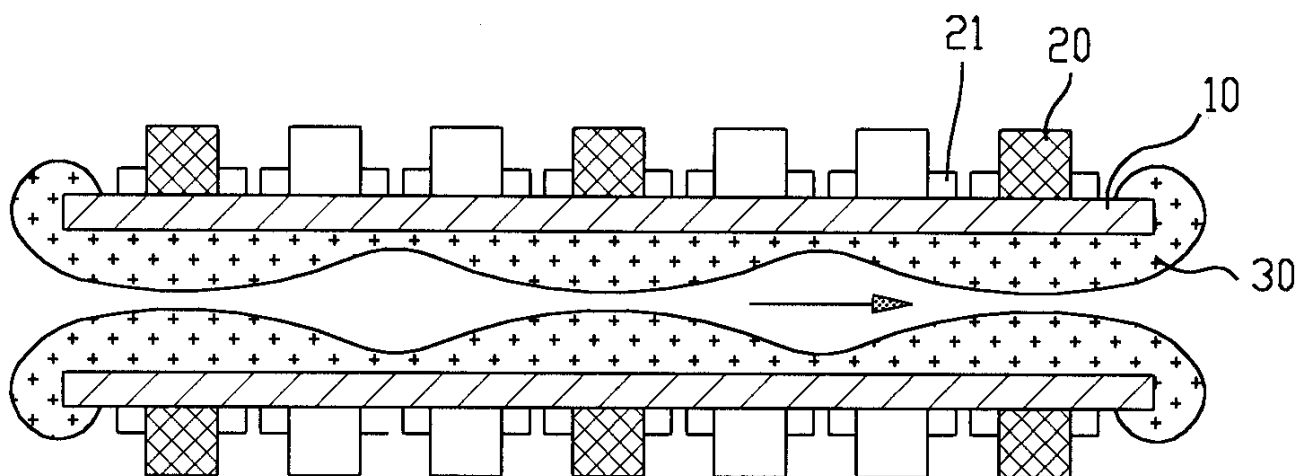
9b



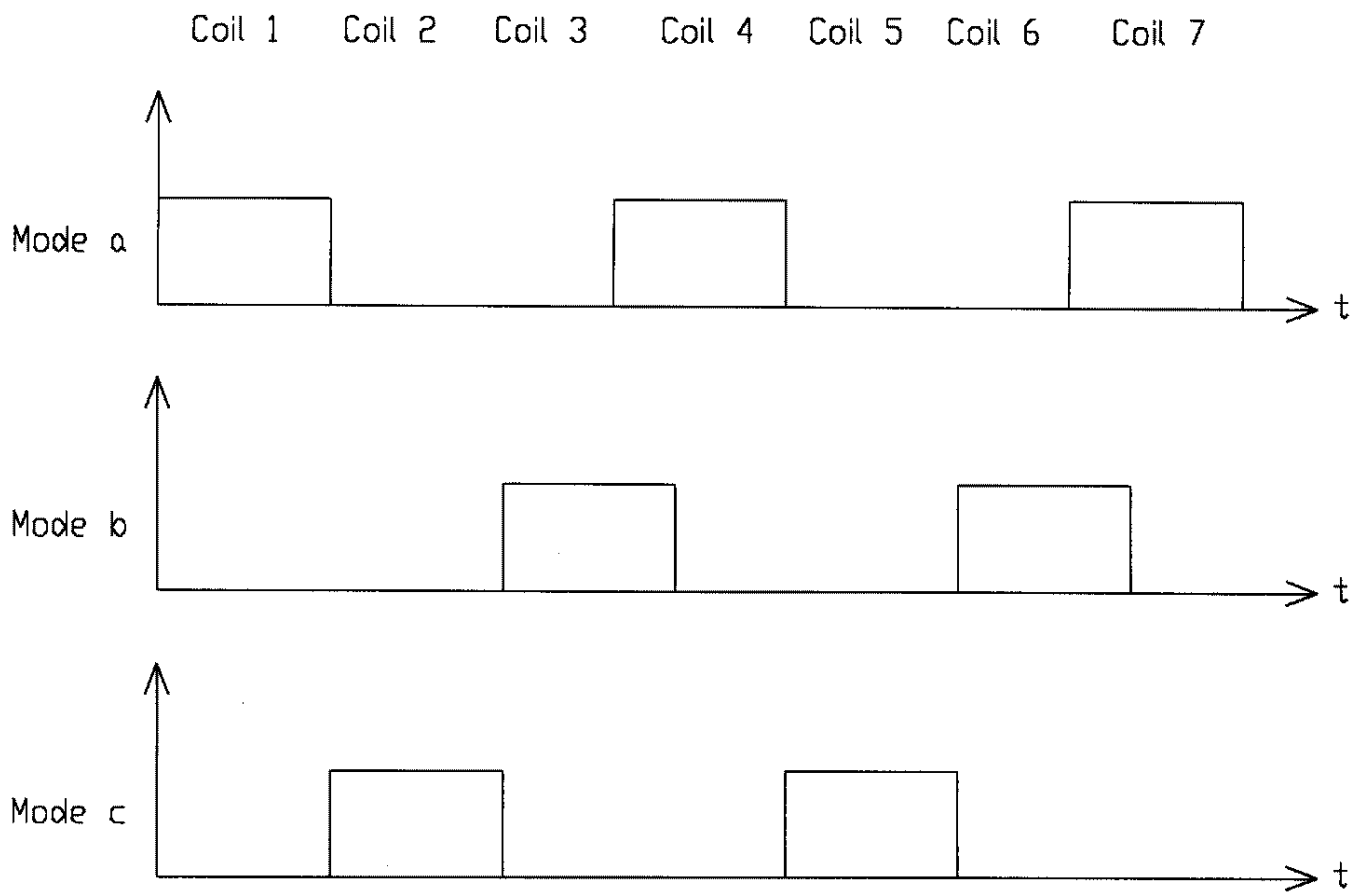
9c



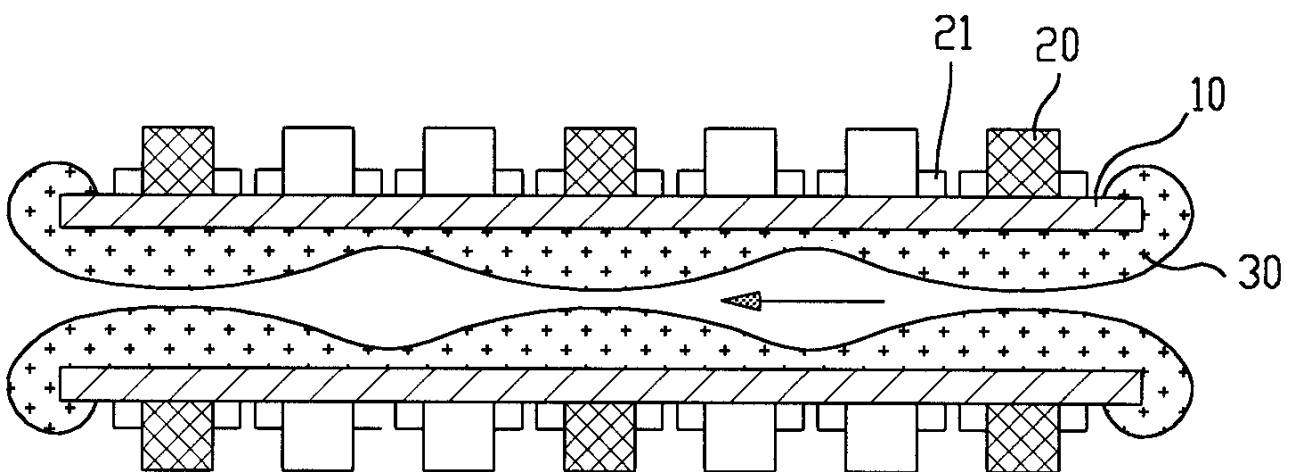
9d



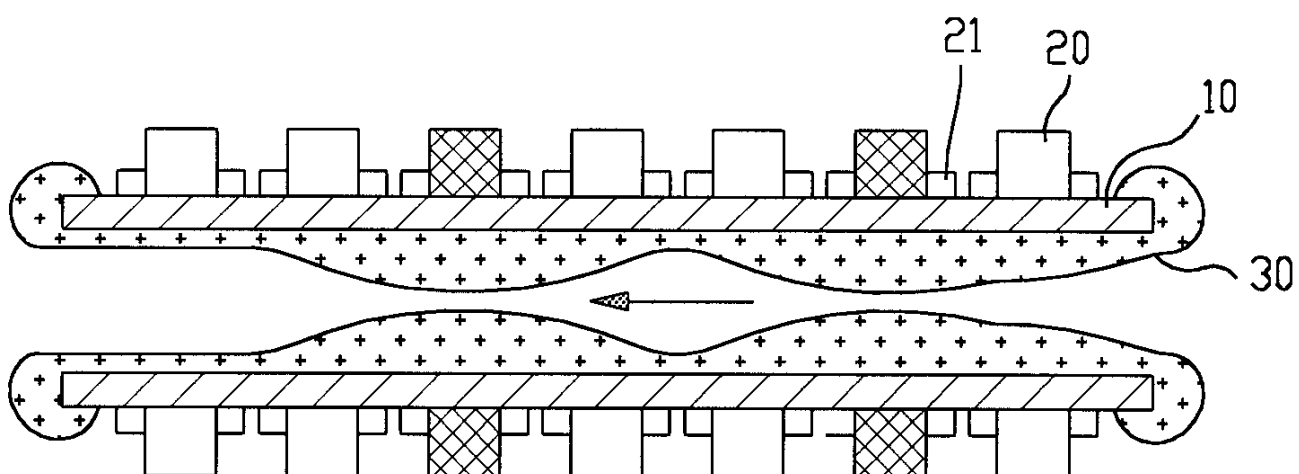
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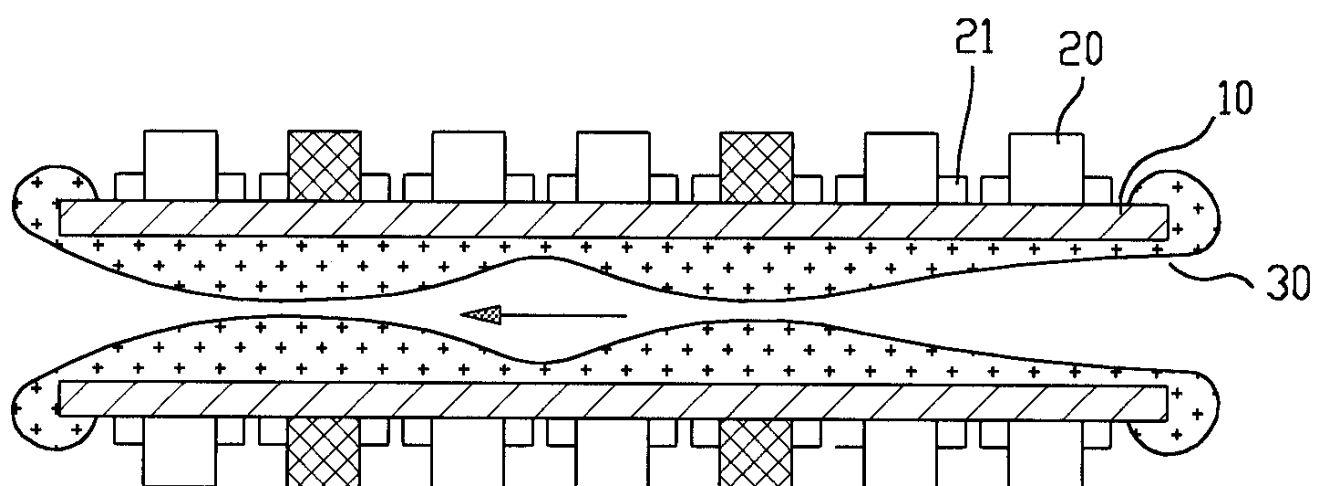
11a



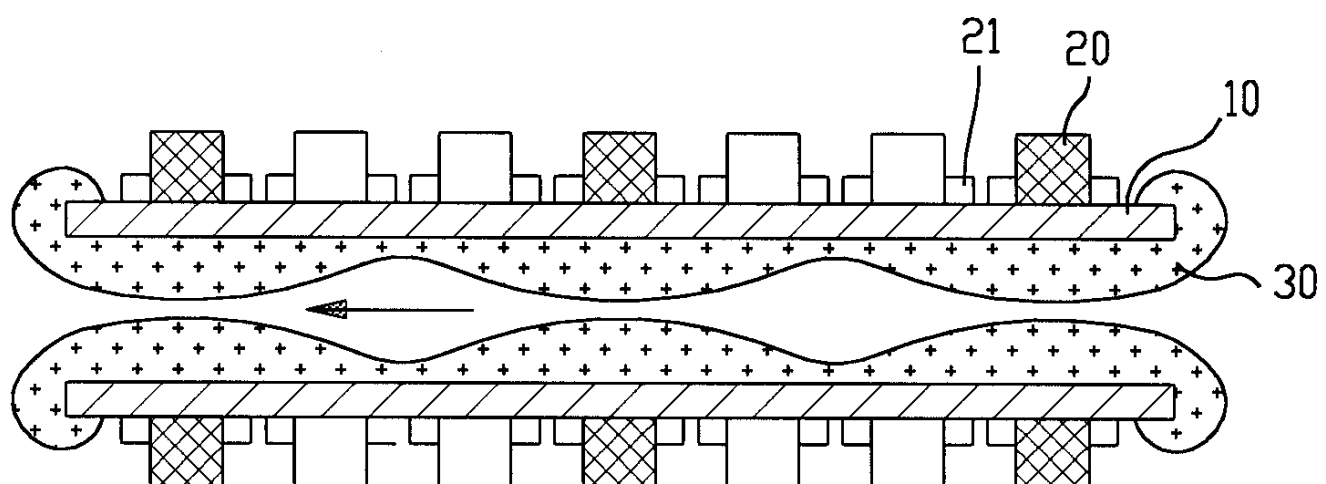
11b



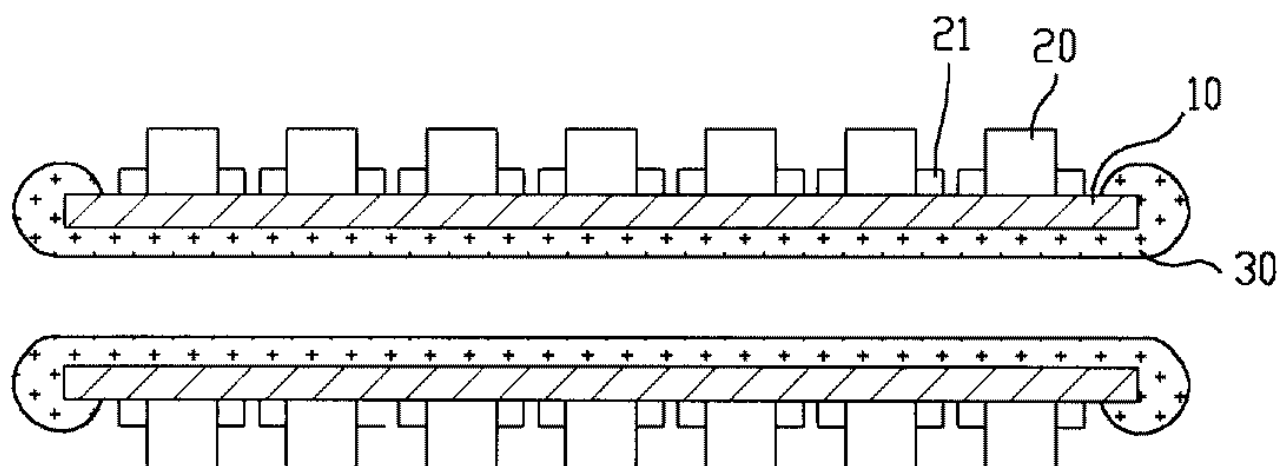
11c



11d



12a



12b

