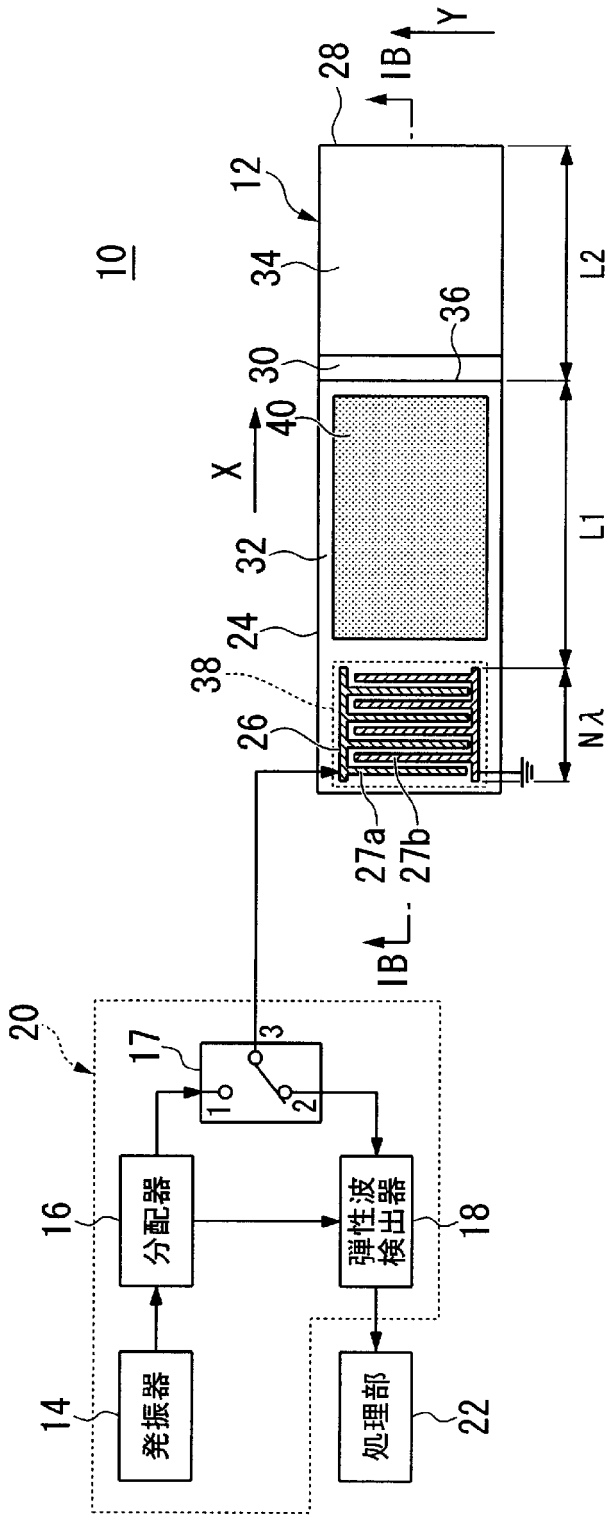
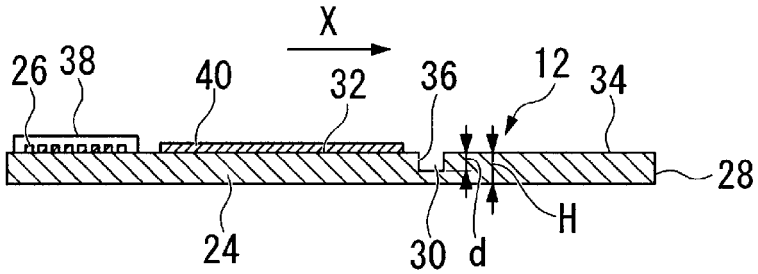
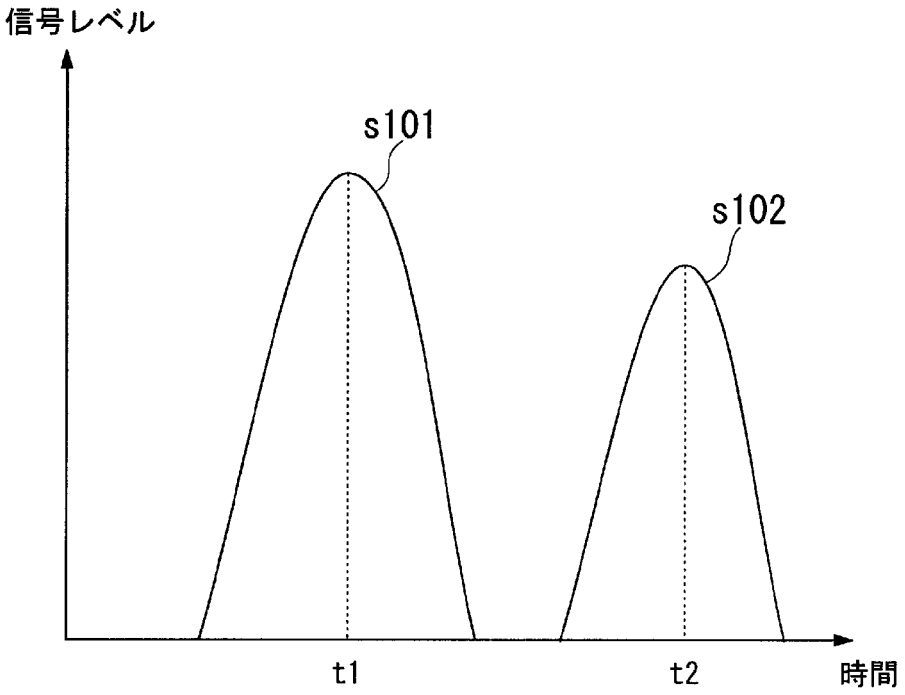
[図1A]


10
12
14
16
17
18
20
22
24
26
27a
27b
28
30
32
34
36
38
40
L1
L2
Nλ
X
Y
IB
IB
1
2
3
発振器
分配器
弾性波検出器
処理部

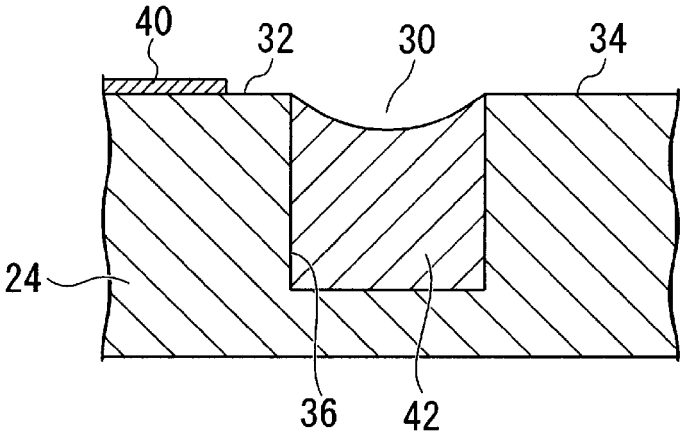
[図1B]



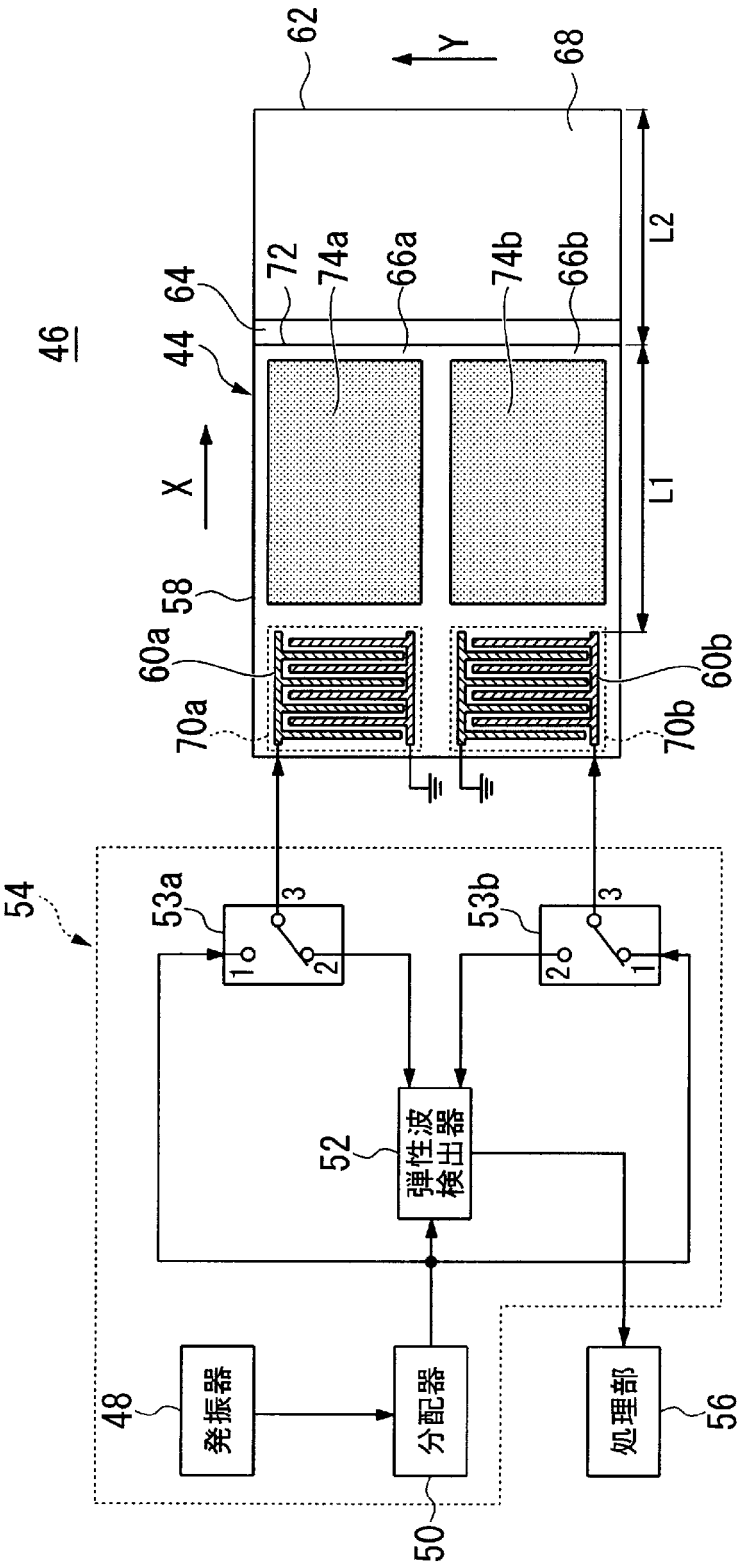
[図2]



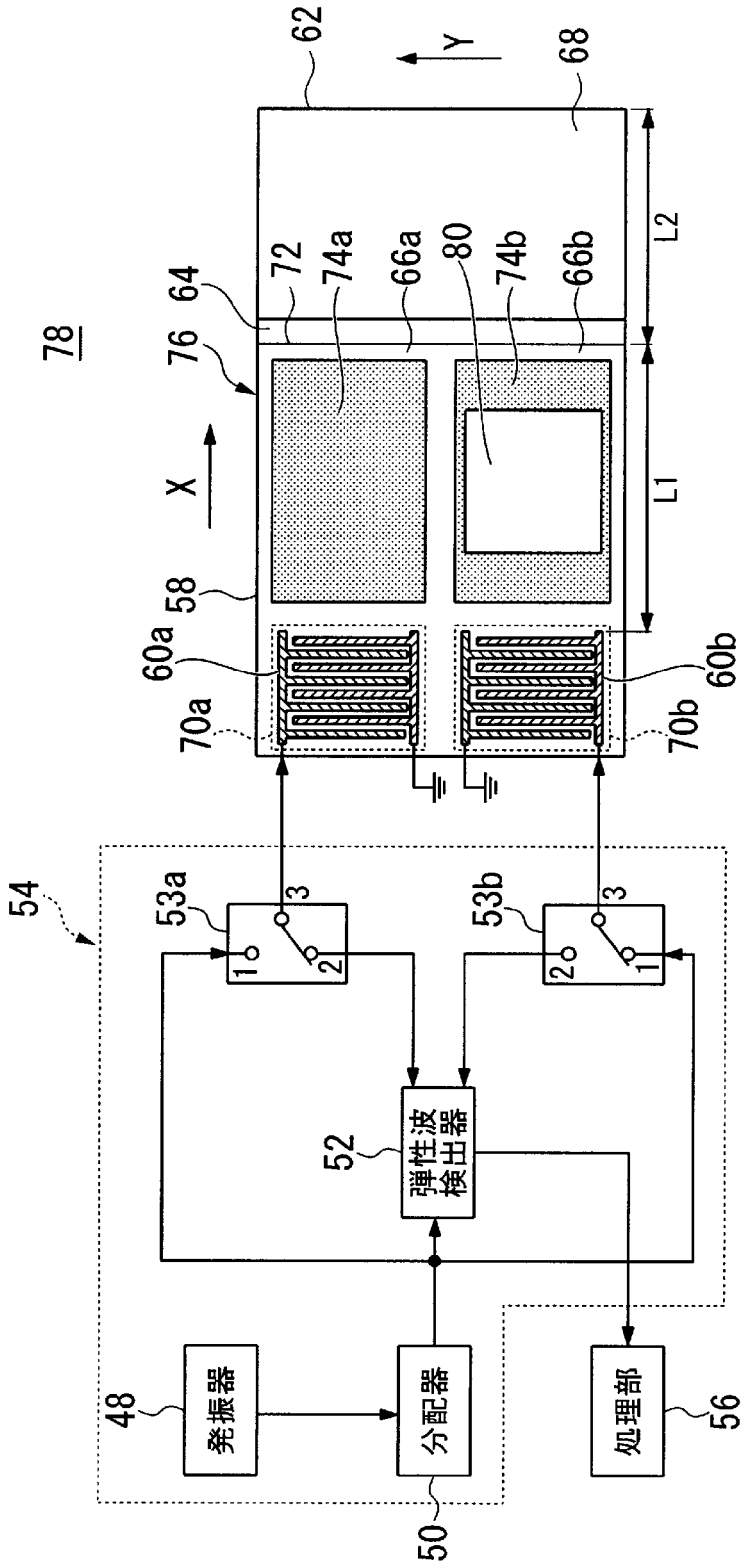
[図3]



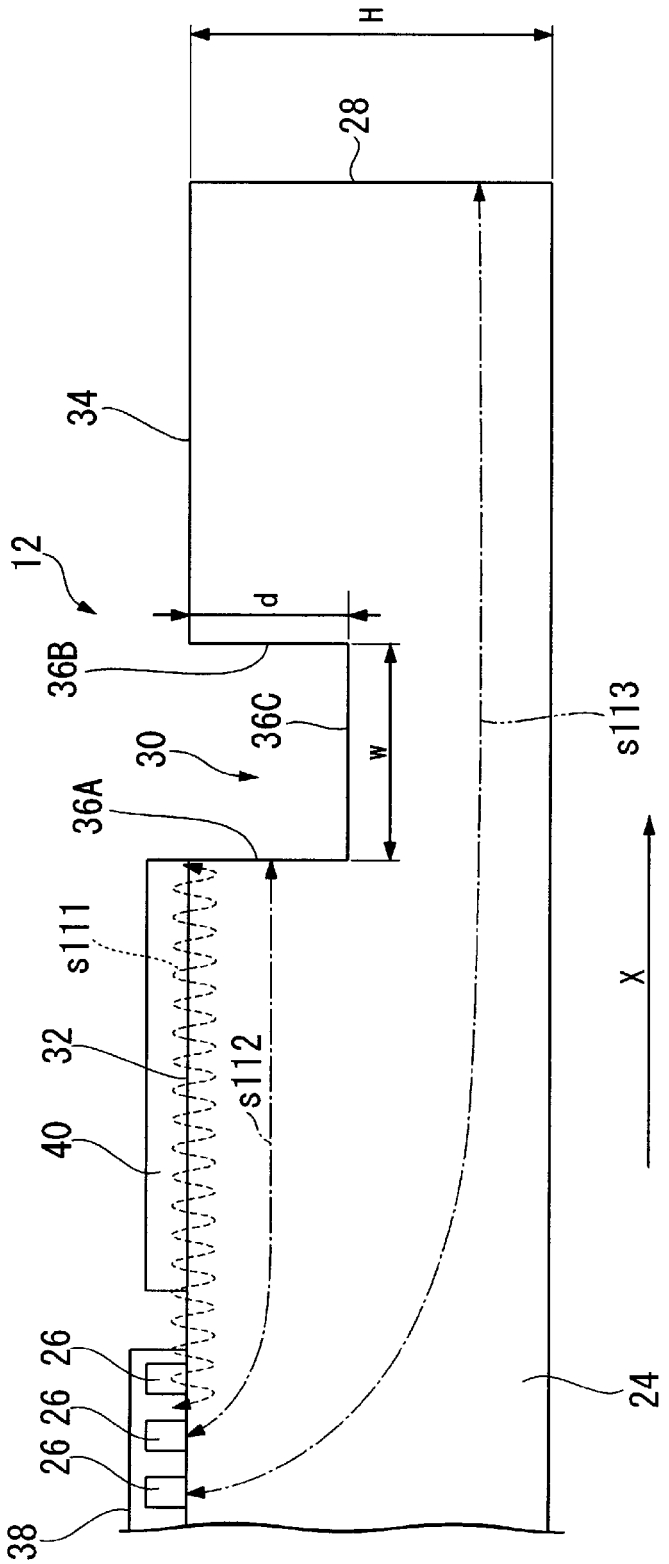
[図4]


62
Y
68
L2
64
72
74a
66a
74b
66b
46
44
X
L1
58
60a
60b
70a
70b
54
53a
53b
3
1
2
2
1
3
52
弾性波検出器
48
発振器
分配器
処理部
56
50

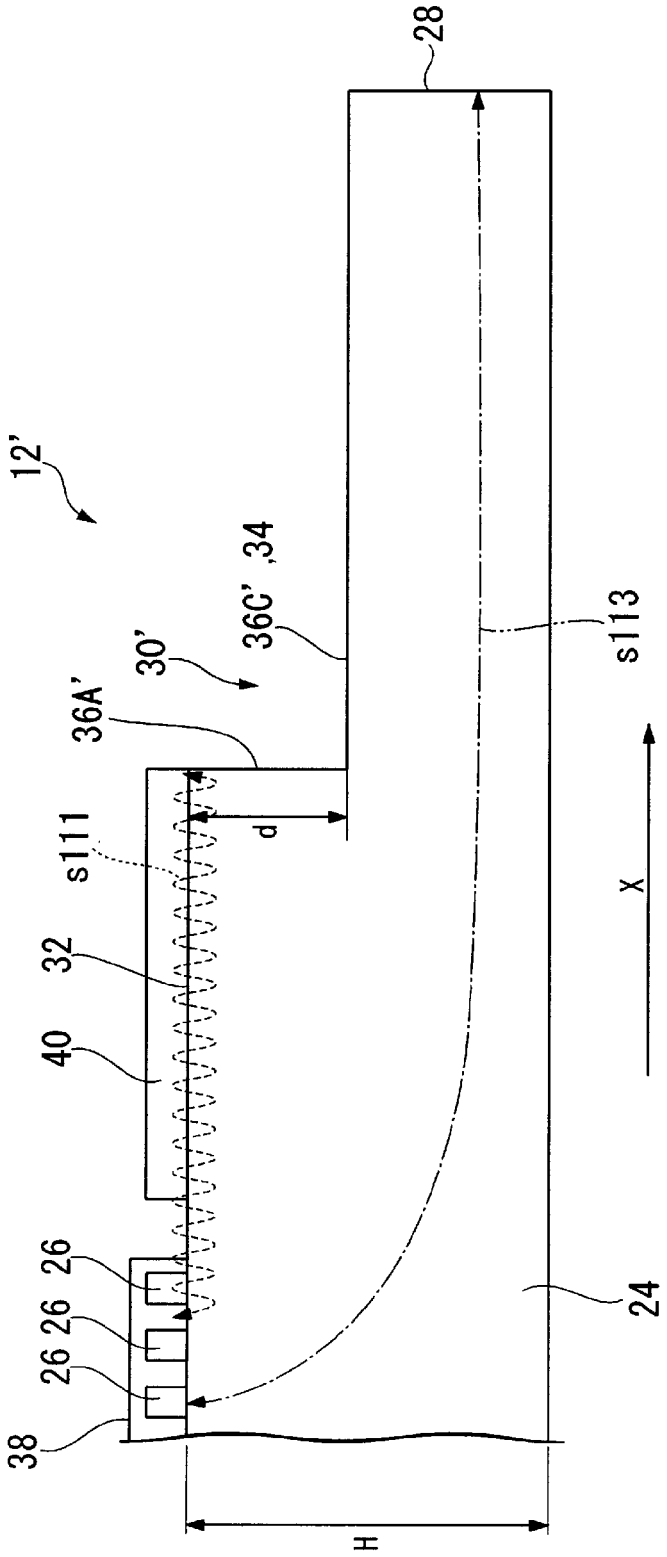
[図5]


62
Y
68
L2
72
74a
66a
80
74b
66b
64
78
76
X
L1
58
60a
60b
70a
70b
54
53a
53b
3
1
2
2
1
52
弾性波検出器
48
発振器
分配器
処理部
56
50

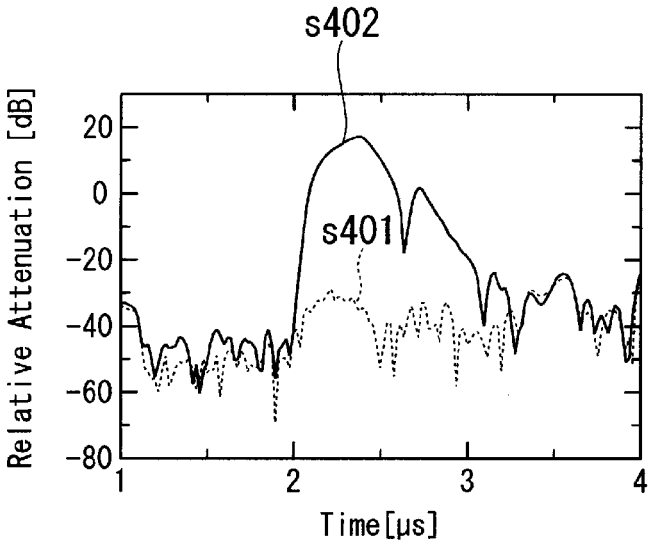
[図6]



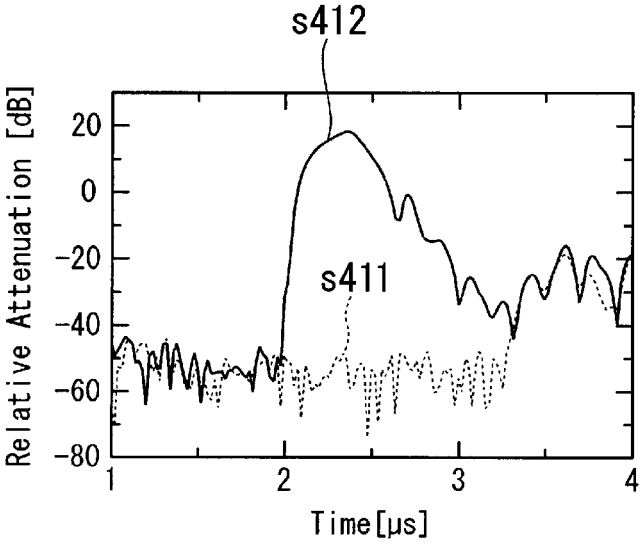
[図7]



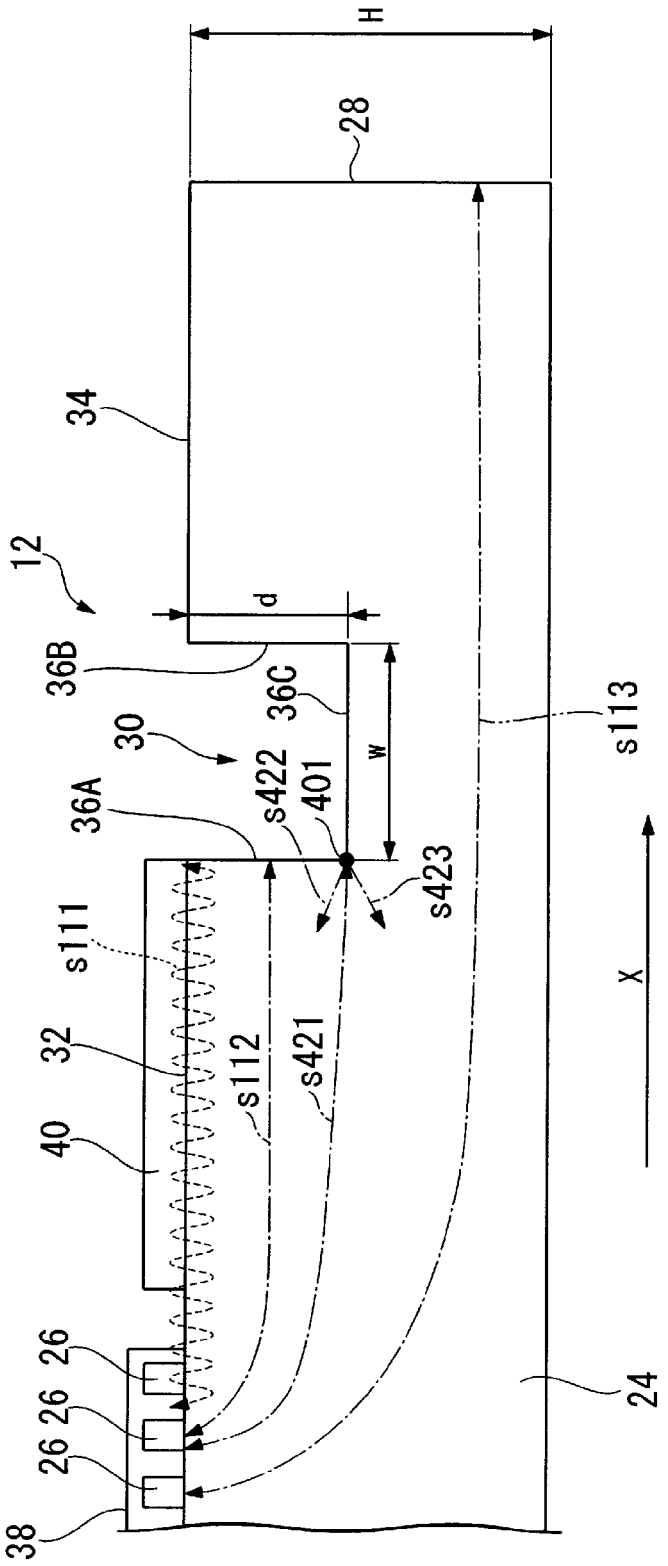
[図8]


s402
s401
Relative Attenuation [dB]
20
0
-20
-40
-60
-80
1
2
3
4
Time[μs]

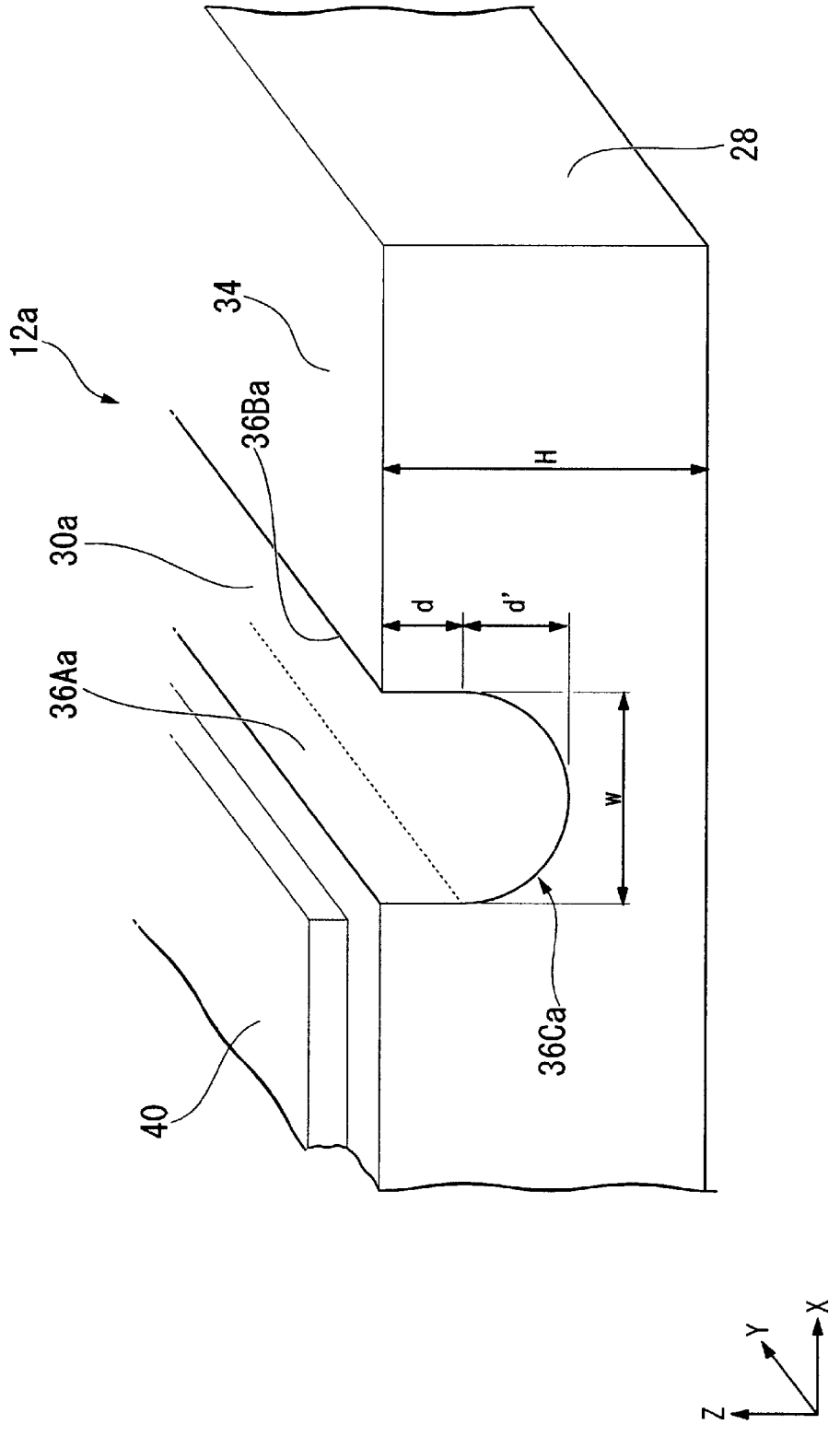
[図9]


s412
s411
Relative Attenuation [dB]
20
0
-20
-40
-60
-80
1
2
3
4
Time[μs]

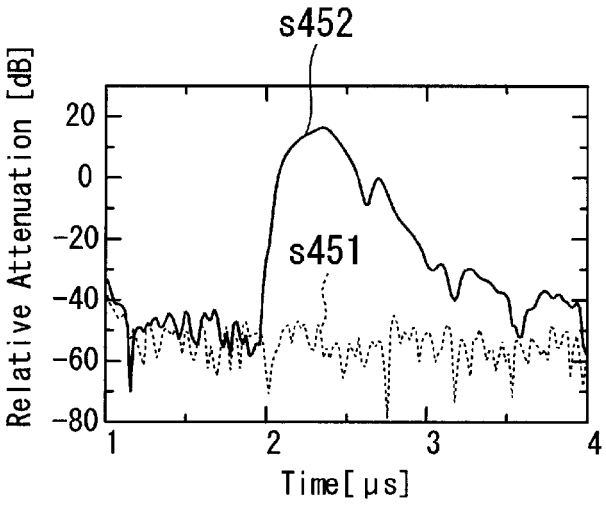
[図10]


H
28
34
12
d
36B
36C
30
s422
401
W
s113
36A
s423
s111
X
32
s112
s421
40
26
26
26
24
38

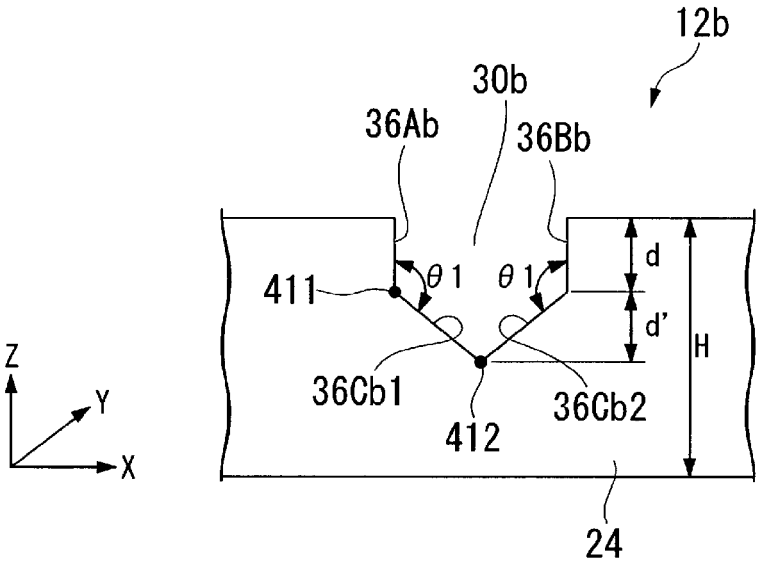
[図11]



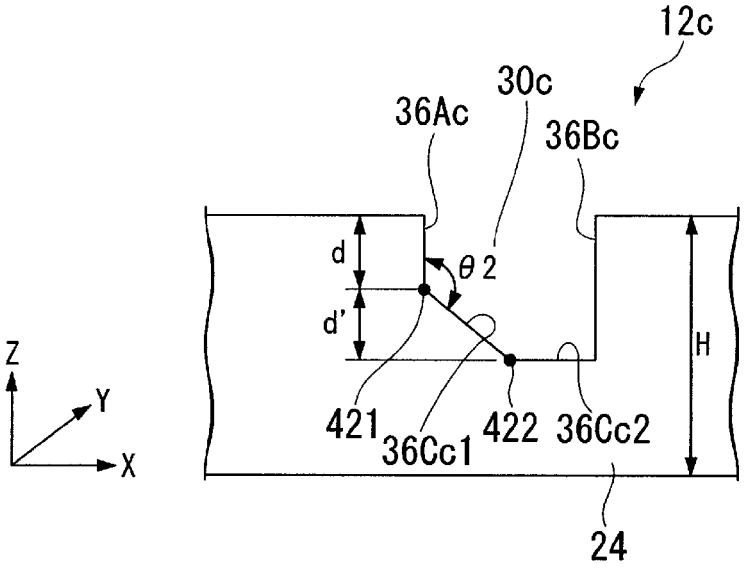
[図12]


s452
s451
Relative Attenuation [dB]
20
0
-20
-40
-60
-80
1
2
3
4
Time[μs]

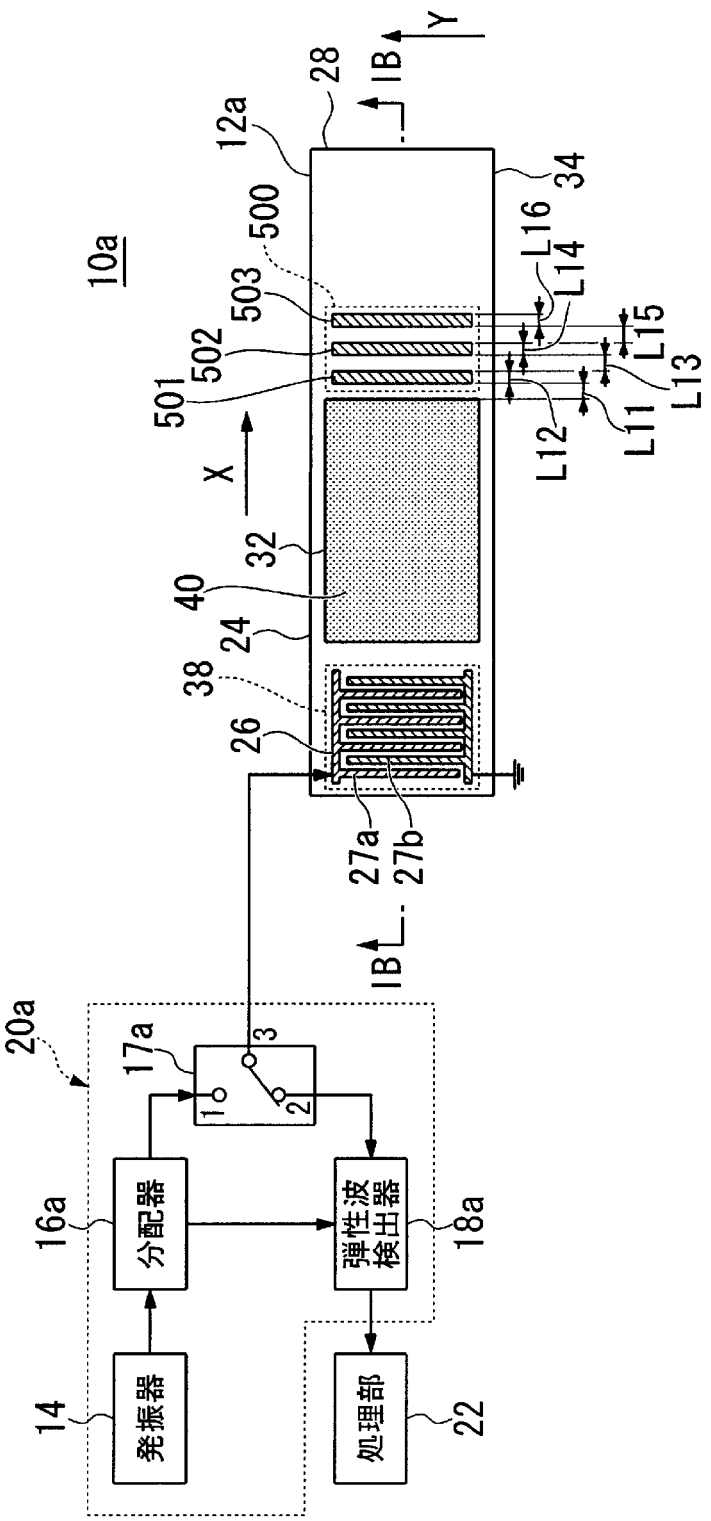
[図13]


12b
30b
36Ab
36Bb
411
θ1
θ1
d
d'
H
Z
Y
X
36Cb1
36Cb2
412
24

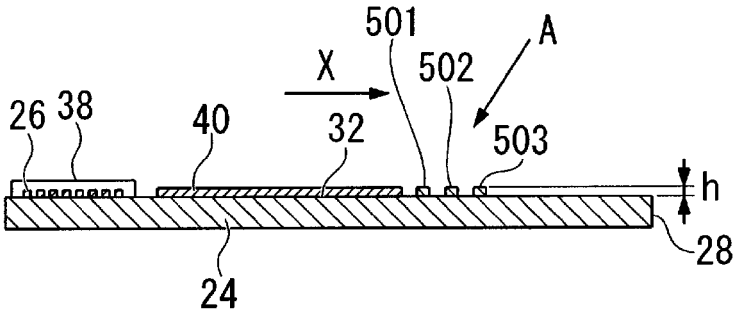
[図14]


12c
30c
36Ac
36Bc
d
θ2
d'
H
Z
Y
X
421
36Cc1
422
36Cc2
24

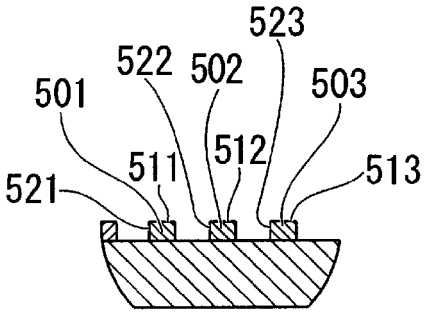
[図15]


10a
12a
28
IB
Y
34
500
503
502
501
L16
L14
L15
L13
L12
L11
X
32
40
24
38
26
27a
27b
IB
20a
17a
3
1
2
16a
分配器
弾性波検出器
18a
14
発振器
処理部
22

[図16A]


501
A
X
502
26
38
40
32
503
h
28
24

[図16B]


523
522
502
503
501
512
511
513
521