FIG. 1

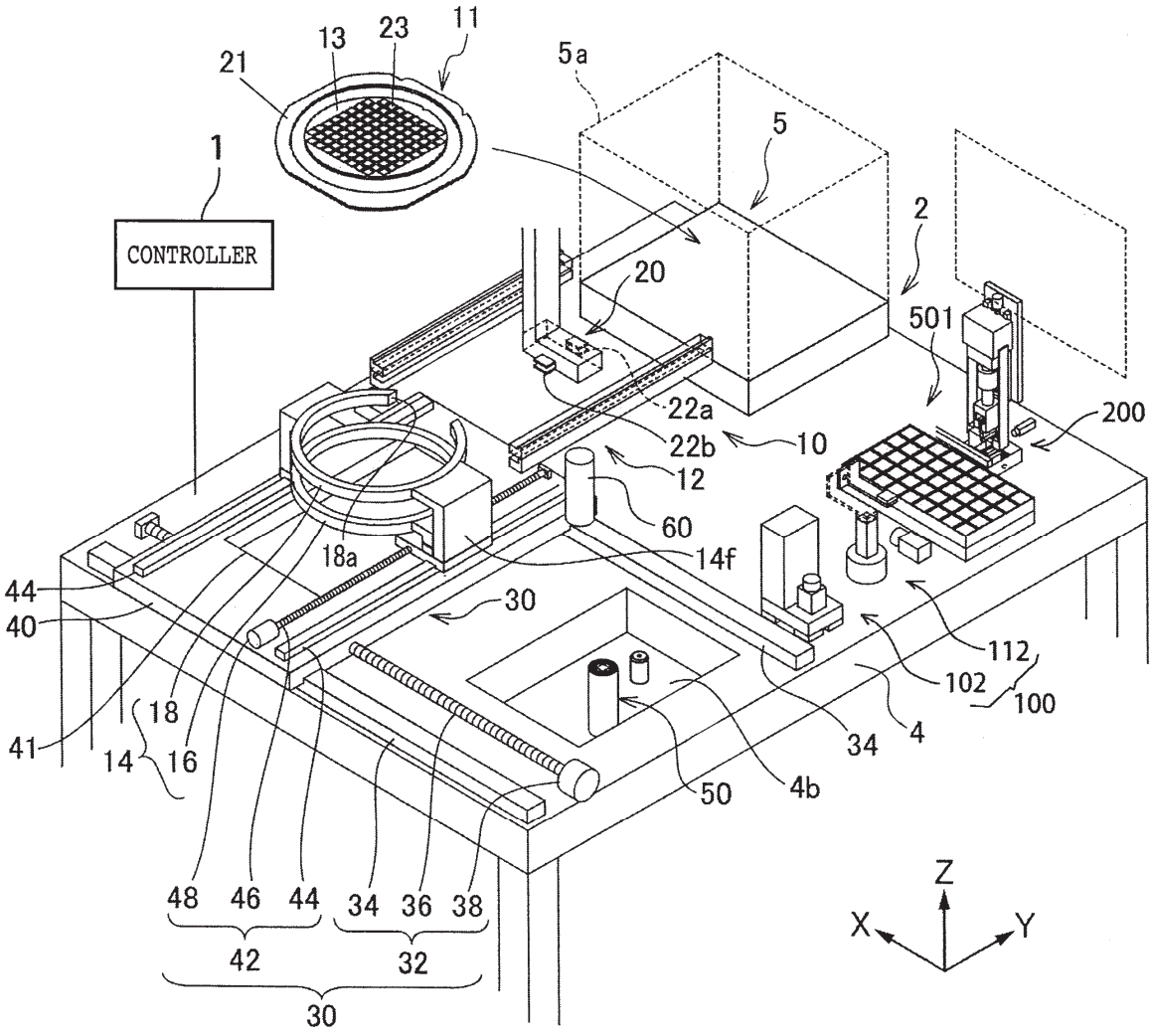

CONTROLLER
1
21
13
23
11
5a
5
2
501
20
22a
22b
10
12
60
14f
18a
200
44
40
30
112
102
100
18
41
14
16
34
4
50
4b
48
46
44
34
36
38
42
32
30
Z
X
Y

FIG.2

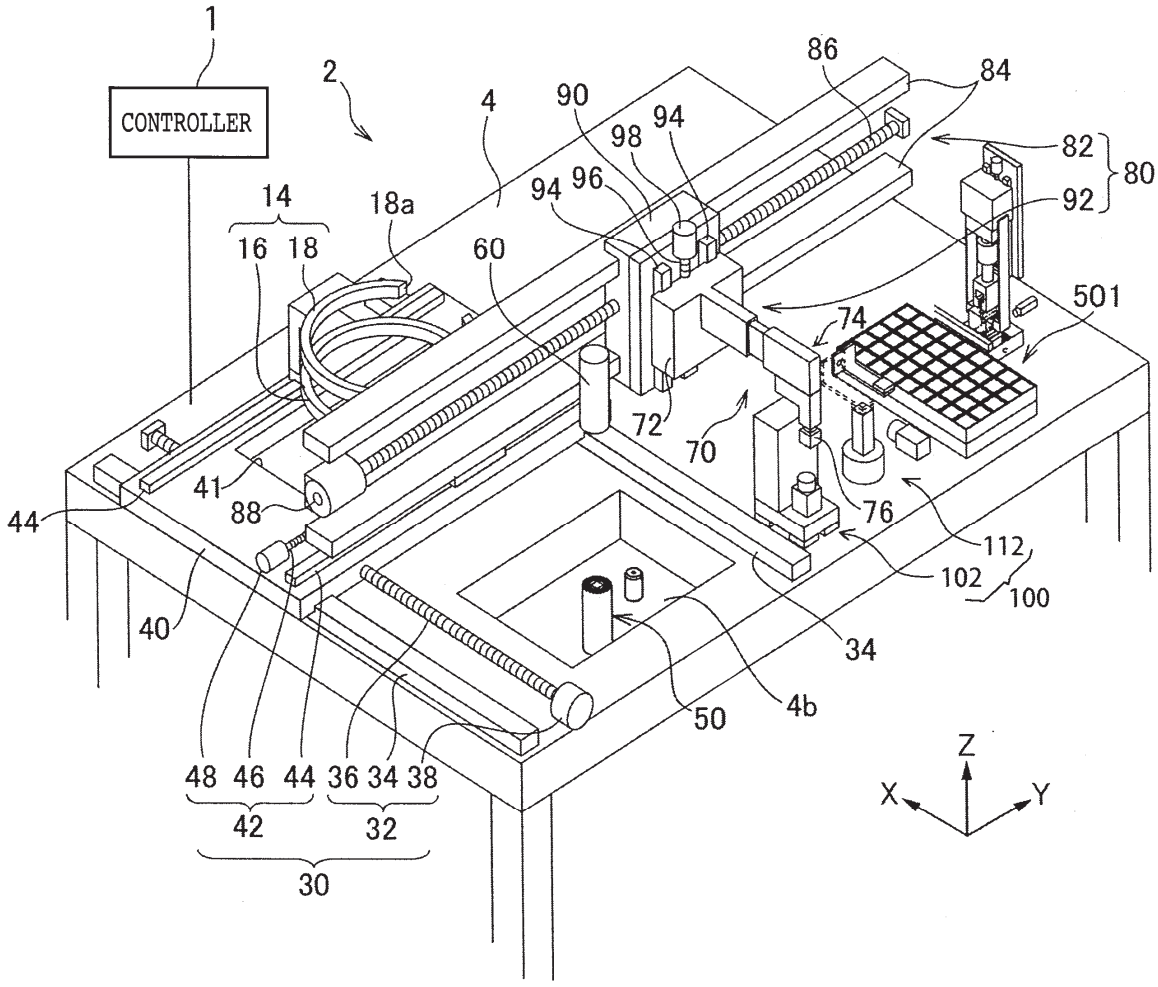

1
CONTROLLER
2
4
90
86
84
98
94
82
80
92
94
96
14
16
18
18a
60
501
74
72
70
41
88
44
76
112
102
100
40
34
50
4b
48
46
44
36
34
38
42
32
30
Z
X
Y

FIG.3

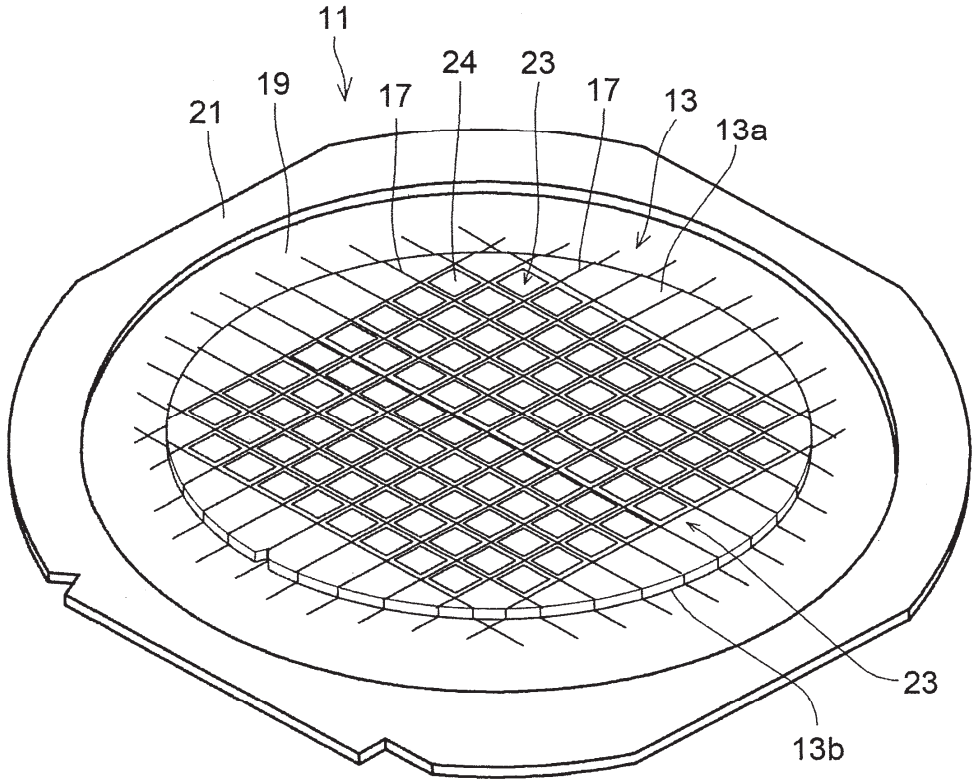


FIG.4

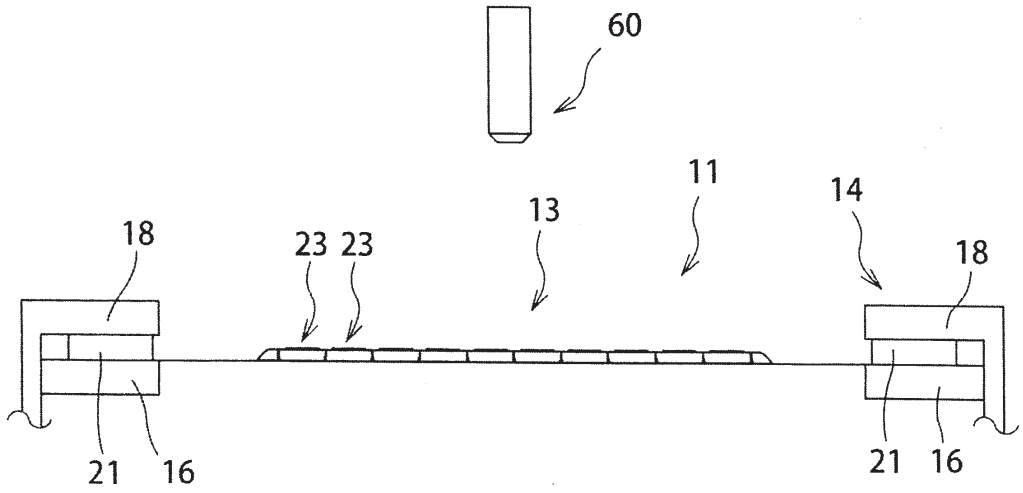


FIG.5

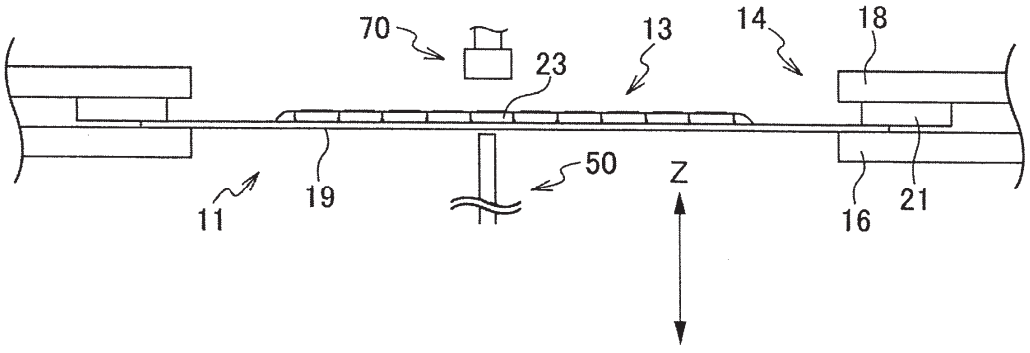


FIG.6

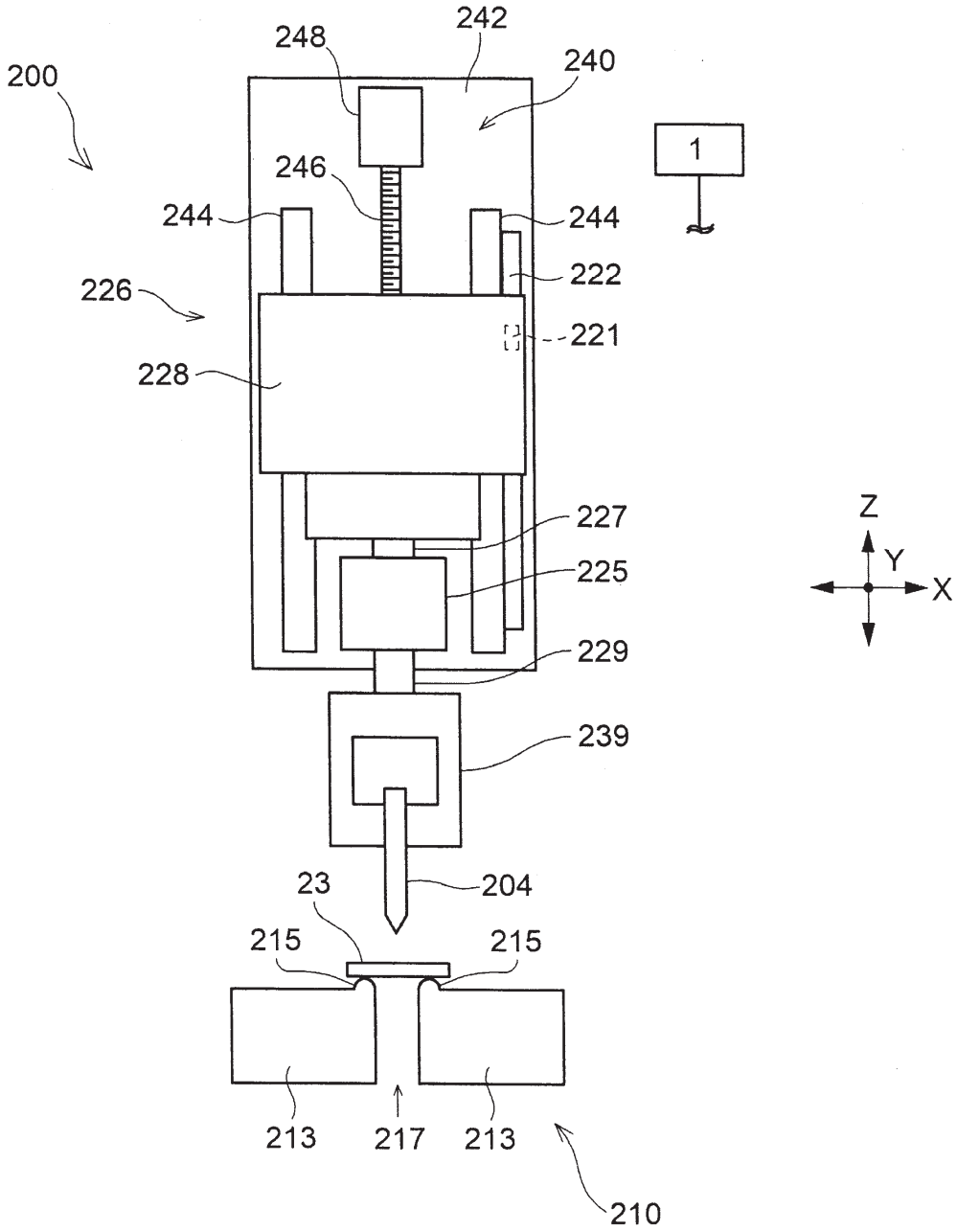

200
248
242
240
1
246
244
244
222
226
221
228
227
225
229
239
23
204
215
215
213
217
213
210
Z
Y
X

FIG. 7

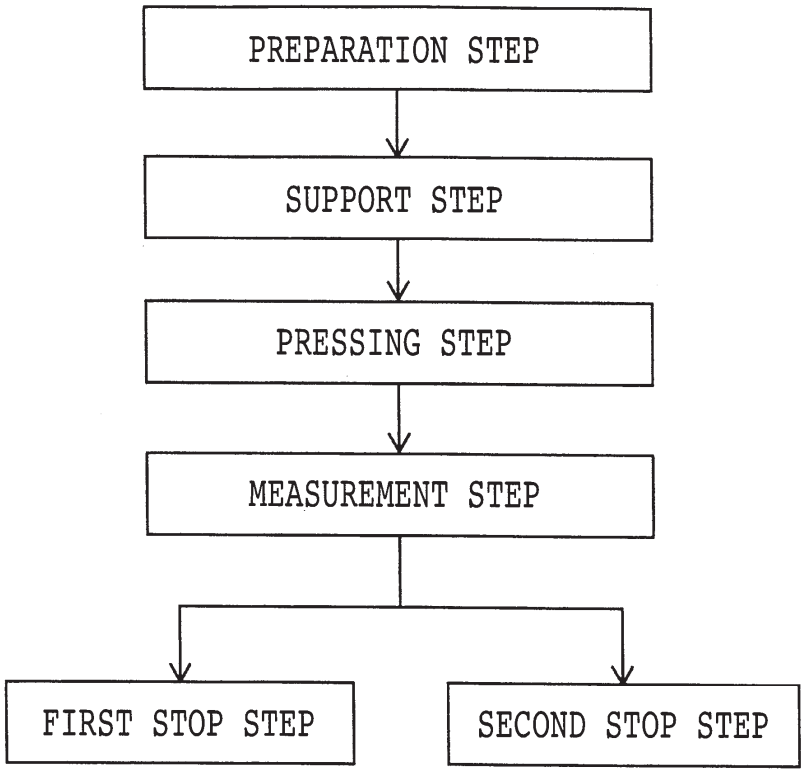

PREPARATION STEP
SUPPORT STEP
PRESSING STEP
MEASUREMENT STEP
FIRST STOP STEP
SECOND STOP STEP

FIG.8

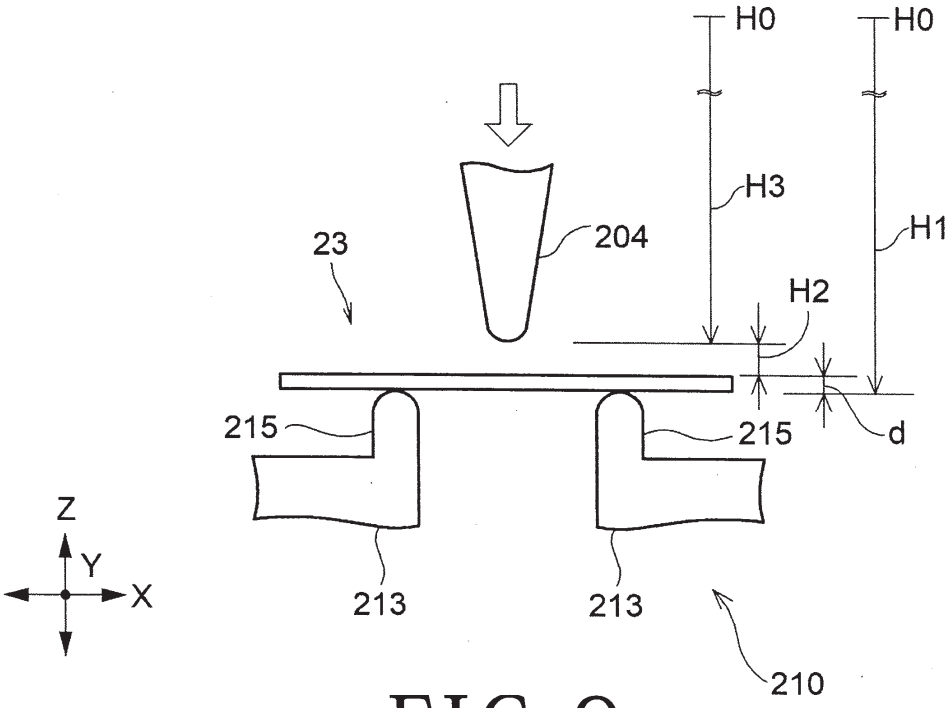

H0
H0
H3
H1
23
204
H2
215
215
d
Z
Y
X
213
213
210

FIG.9

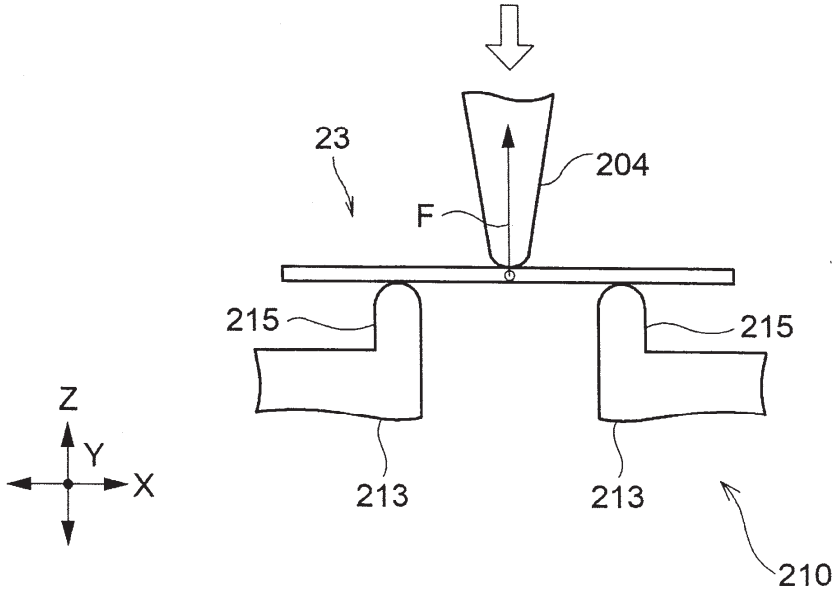

23
204
F
215
215
Z
Y
X
213
213
210

FIG. 10

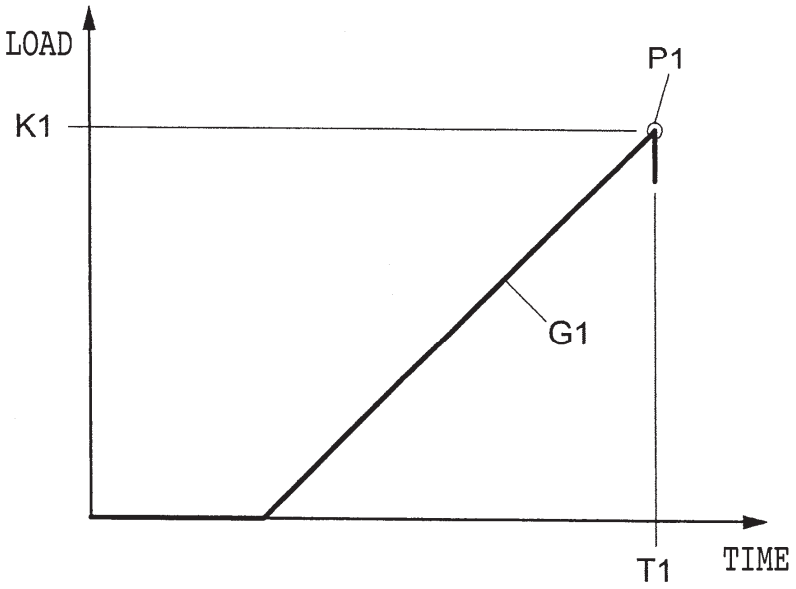


FIG. 11

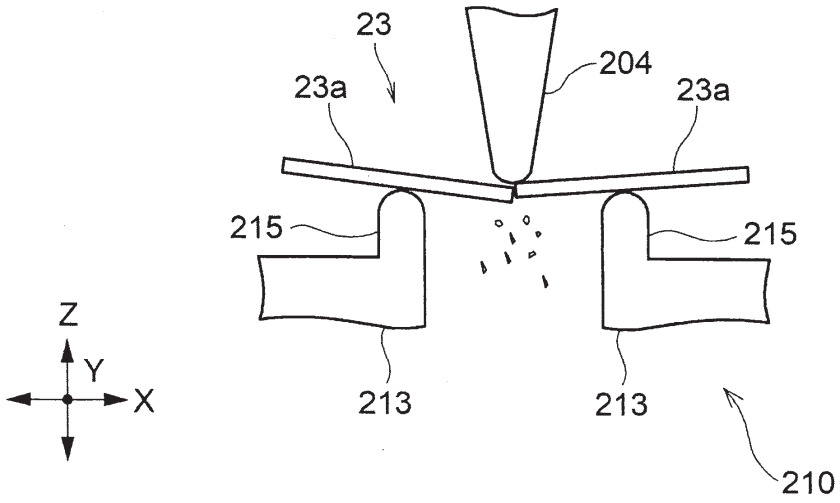


FIG. 12

