FIG. 1

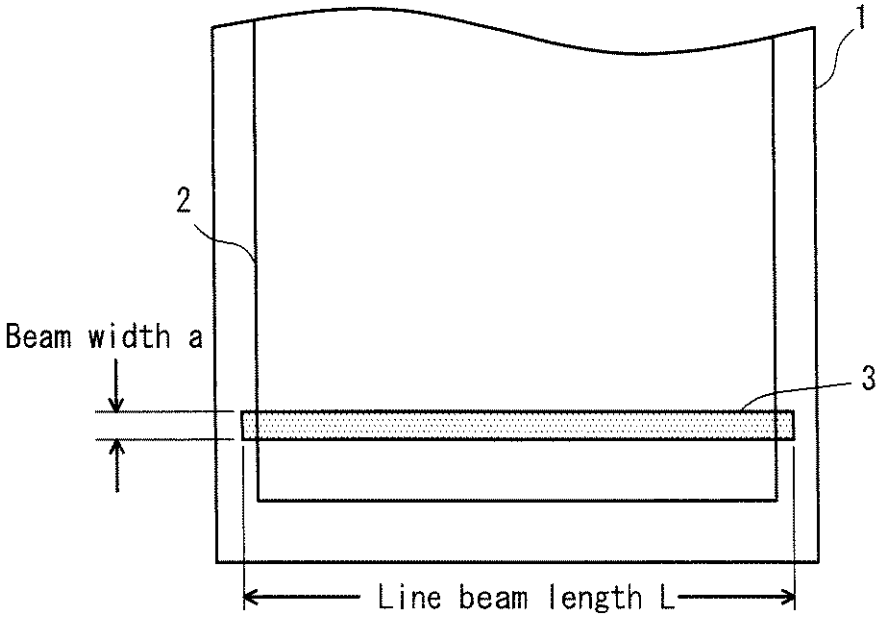


FIG. 2

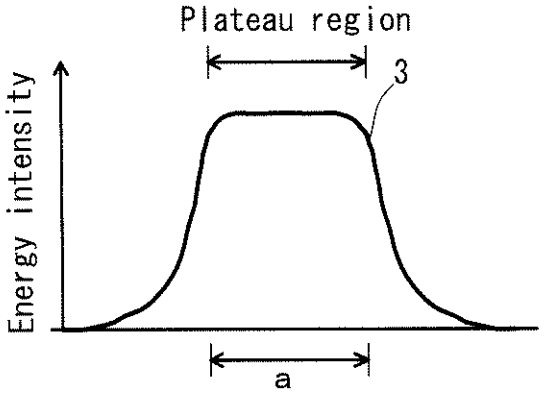


FIG. 3

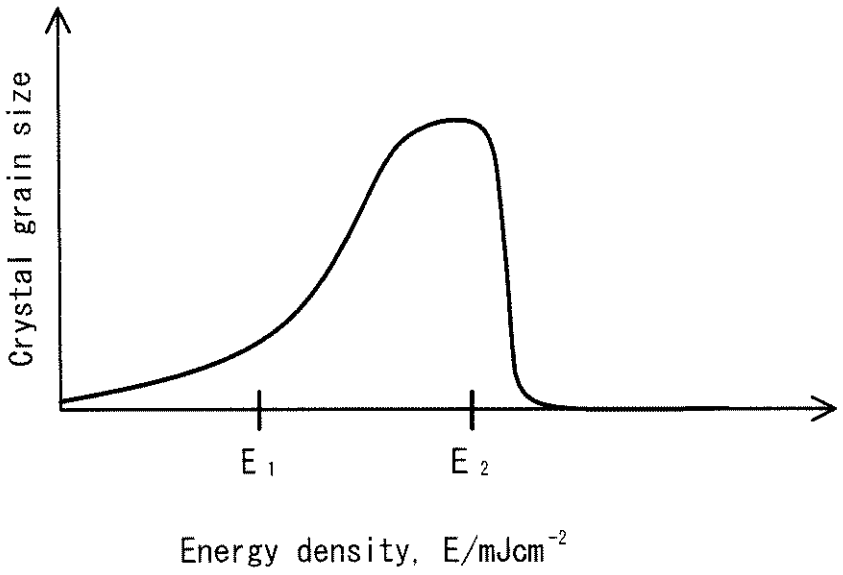


FIG. 4

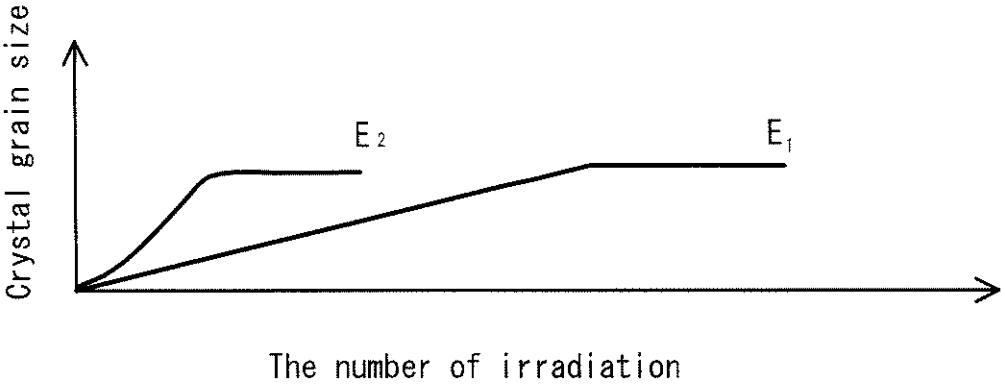


FIG. 5

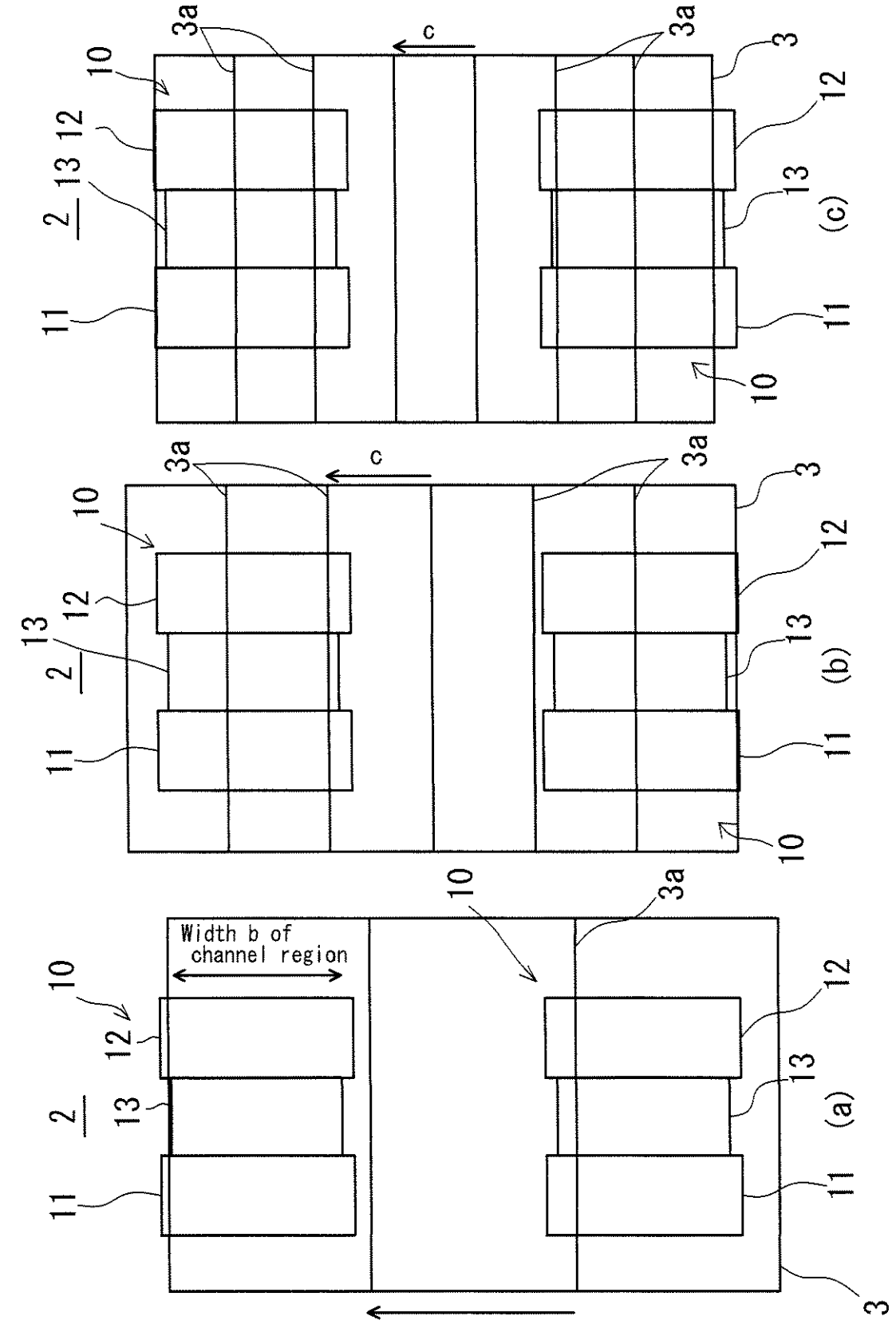
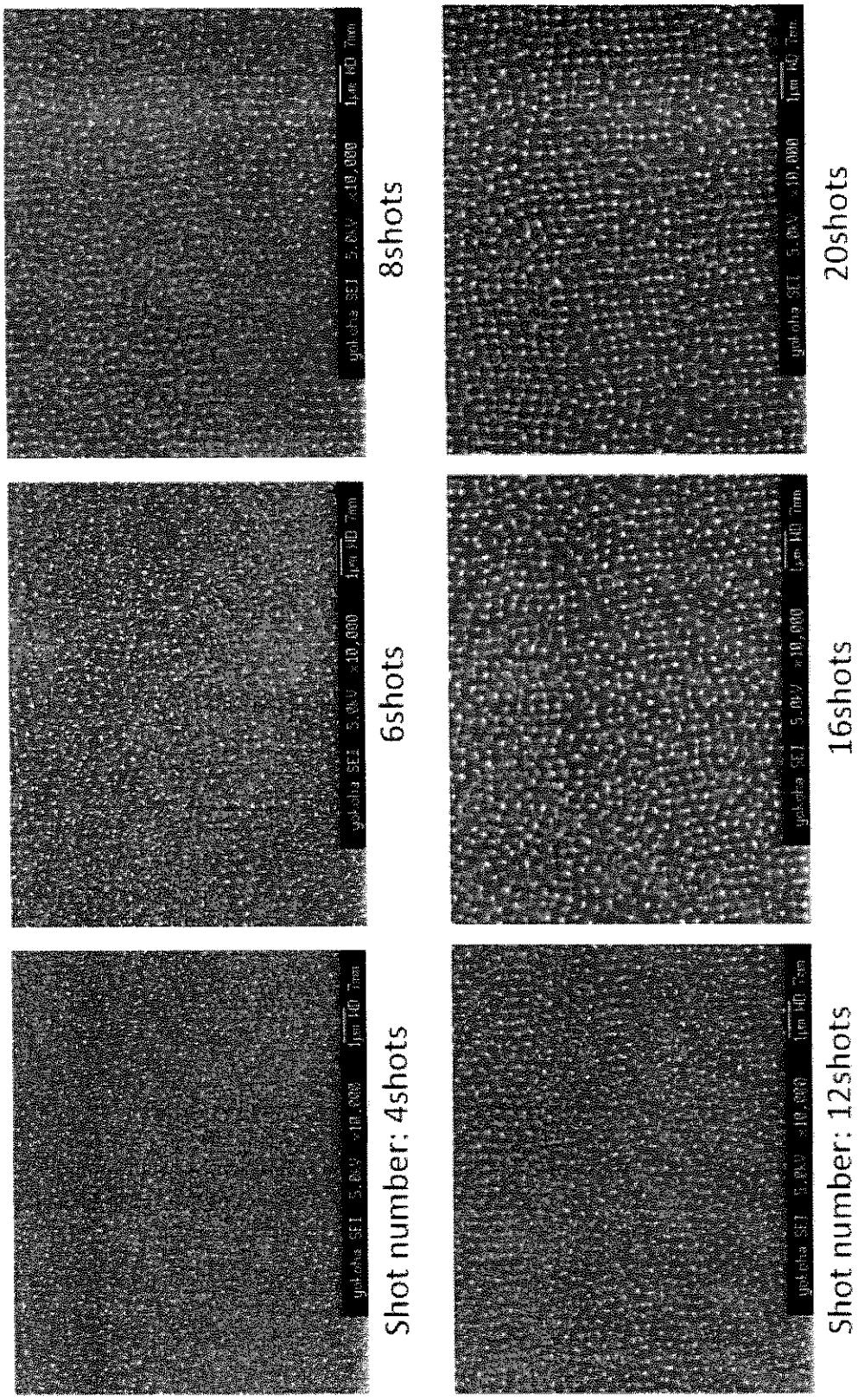
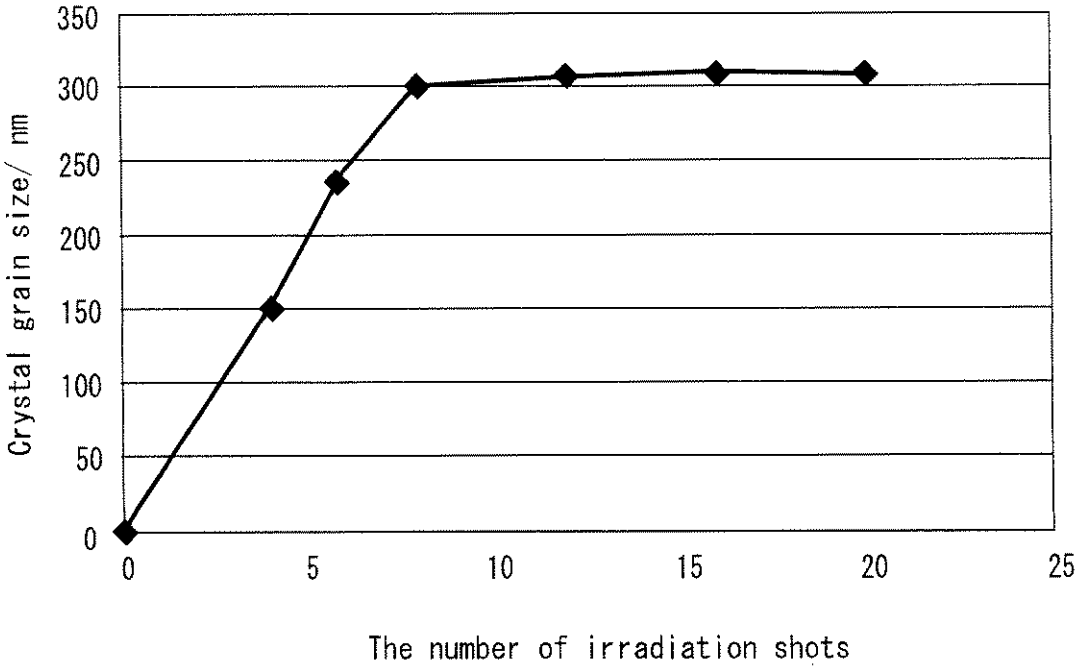

3a
c
3a
3
10
12
12
13
2
13
(c)
11
11
10
3a
c
3a
3
10
12
12
13
2
13
(b)
11
11
10
10
3a
Width b of
channel region
10
12
12
13
2
13
(a)
11
11
3
Shift amount c per pulse

FIG. 6



Photograph substituted for drawing

FIG. 7


350
300
250
200
150
100
50
0
Crystal grain size/ nm
0
5
10
15
20
25
The number of irradiation shots