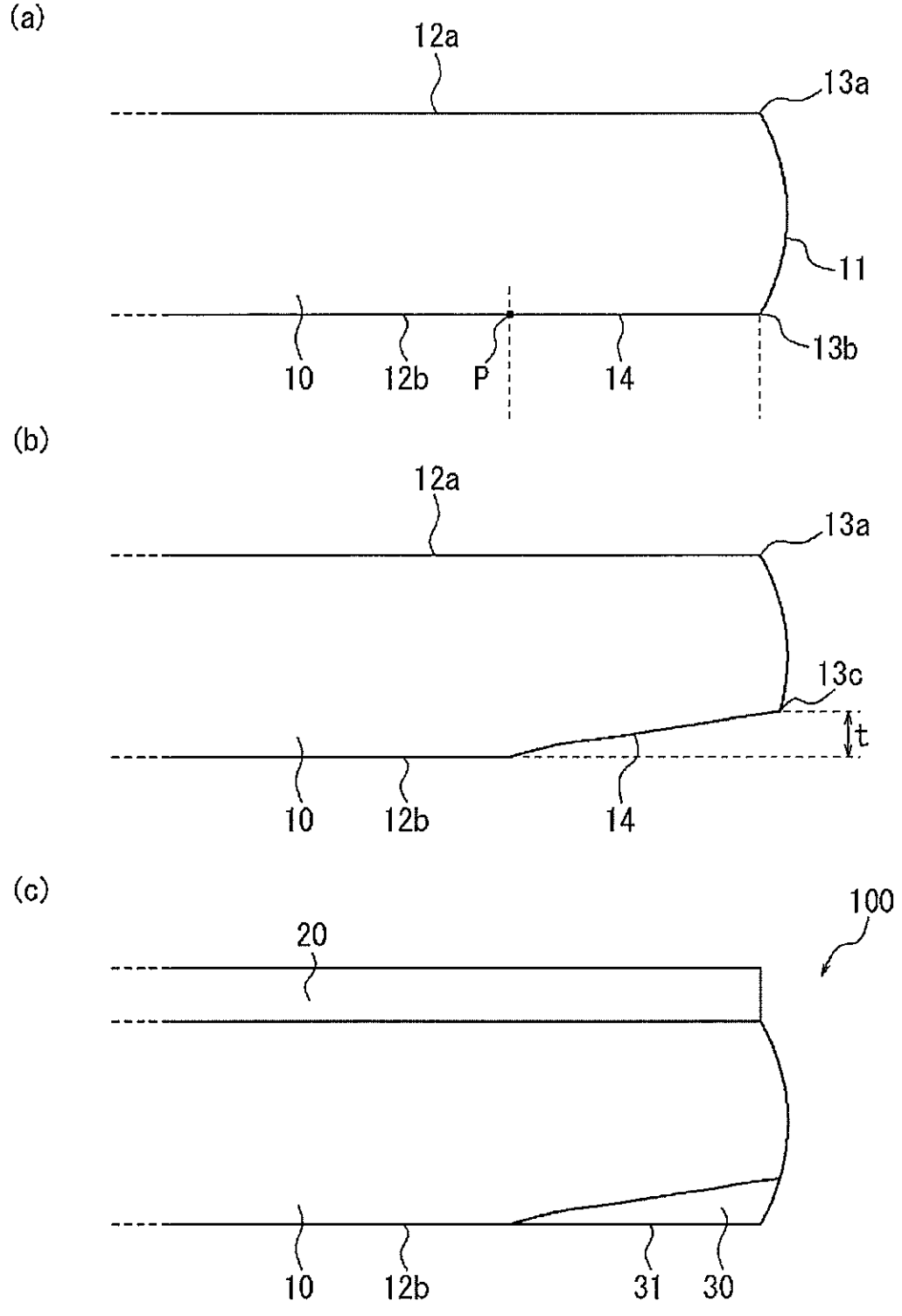
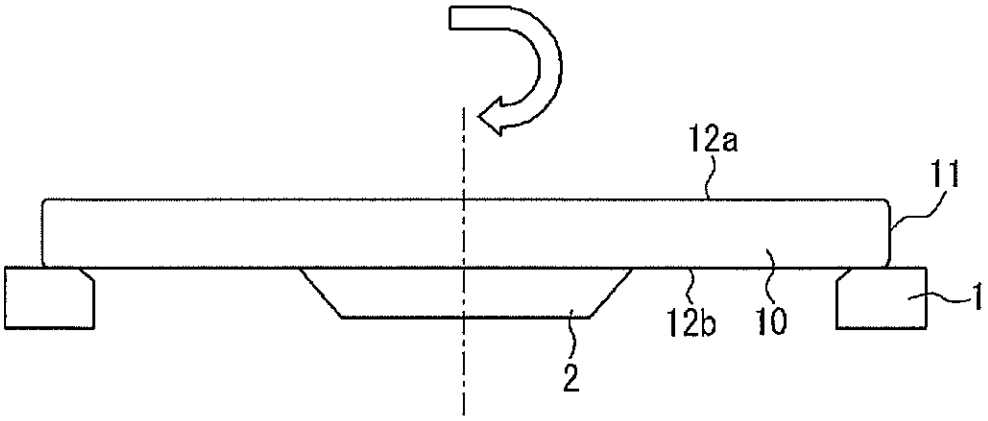
[Fig. 1]

FIG. 1


(a)
12a
13a
11
13b
10
12b
P
14
(b)
12a
13a
13c
t
10
12b
14
(c)
100
20
10
12b
31
30

[Fig. 2]

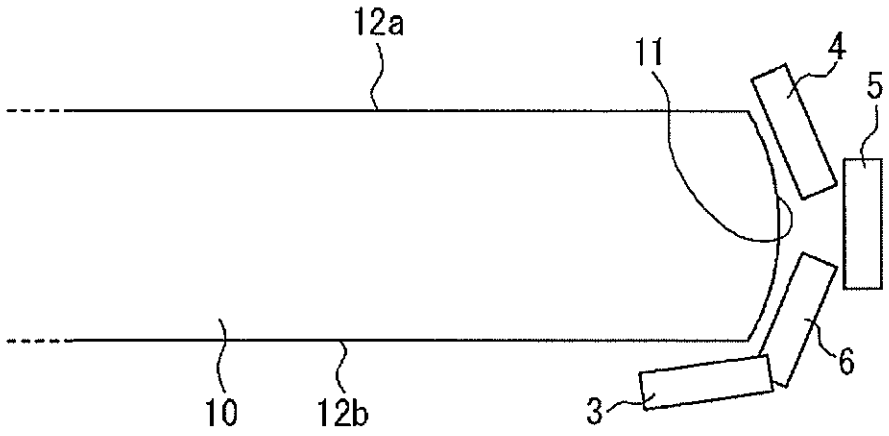
FIG. 2



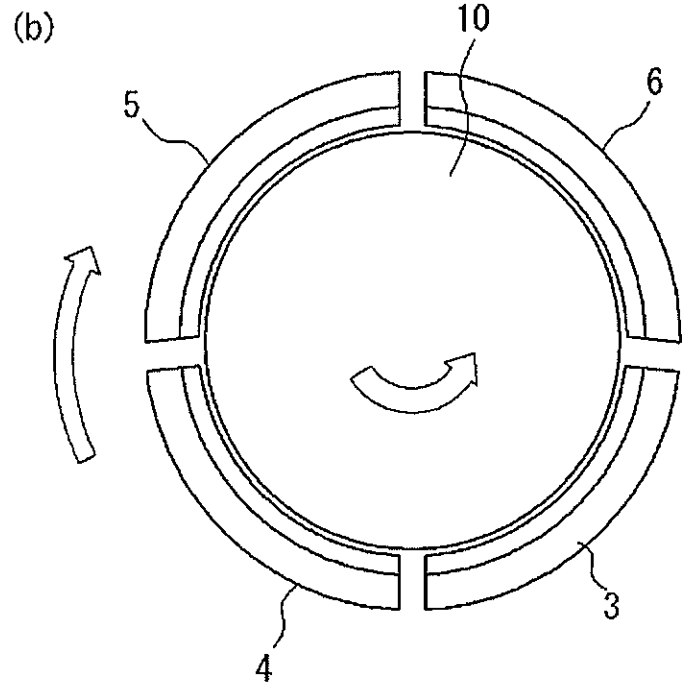
[Fig. 3]

FIG. 3

(a)



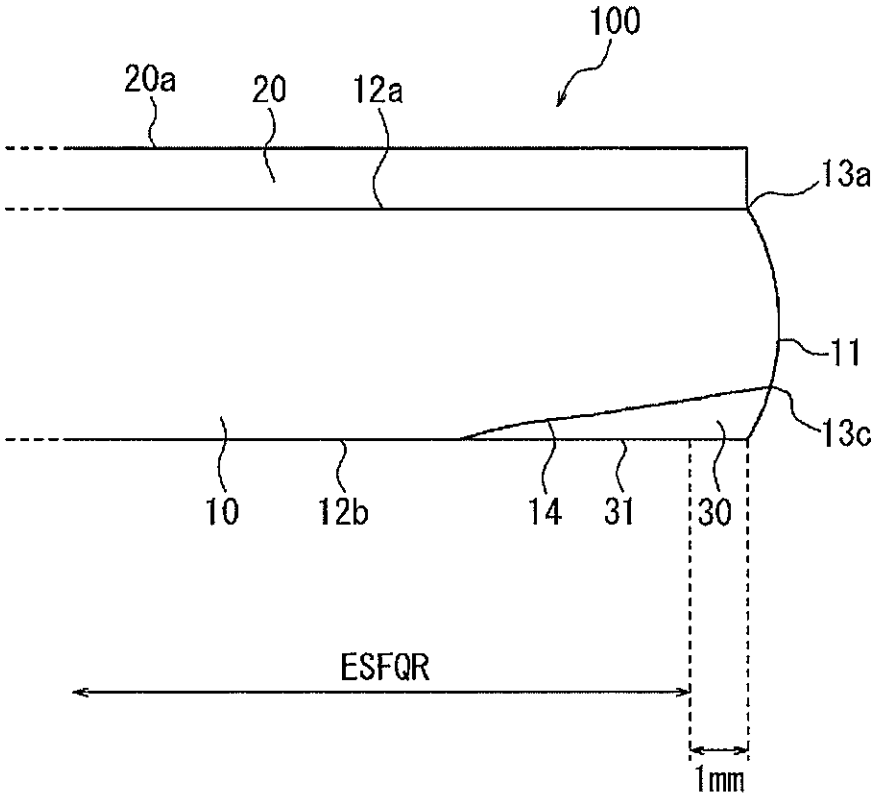
(b)



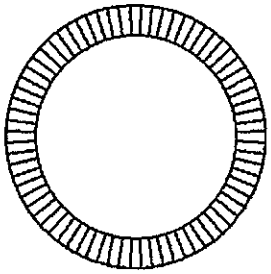
[Fig. 4]

FIG. 4

(a)



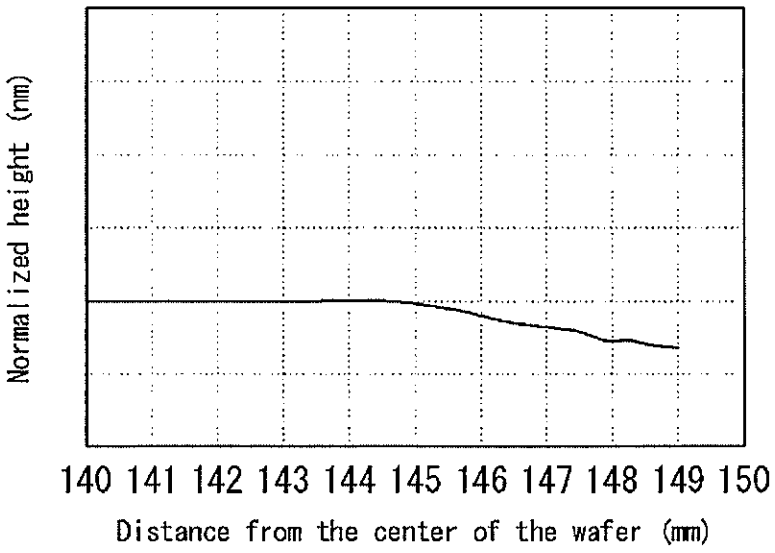
(b)



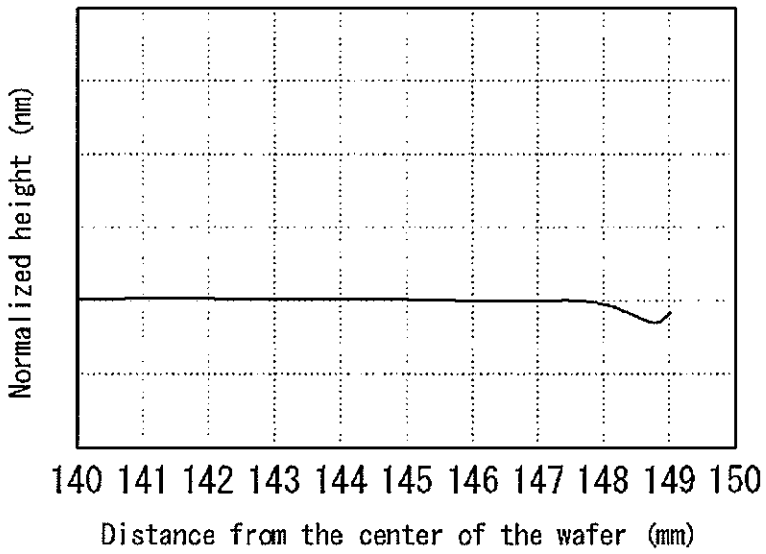
[Fig. 5]

FIG. 5

(a)

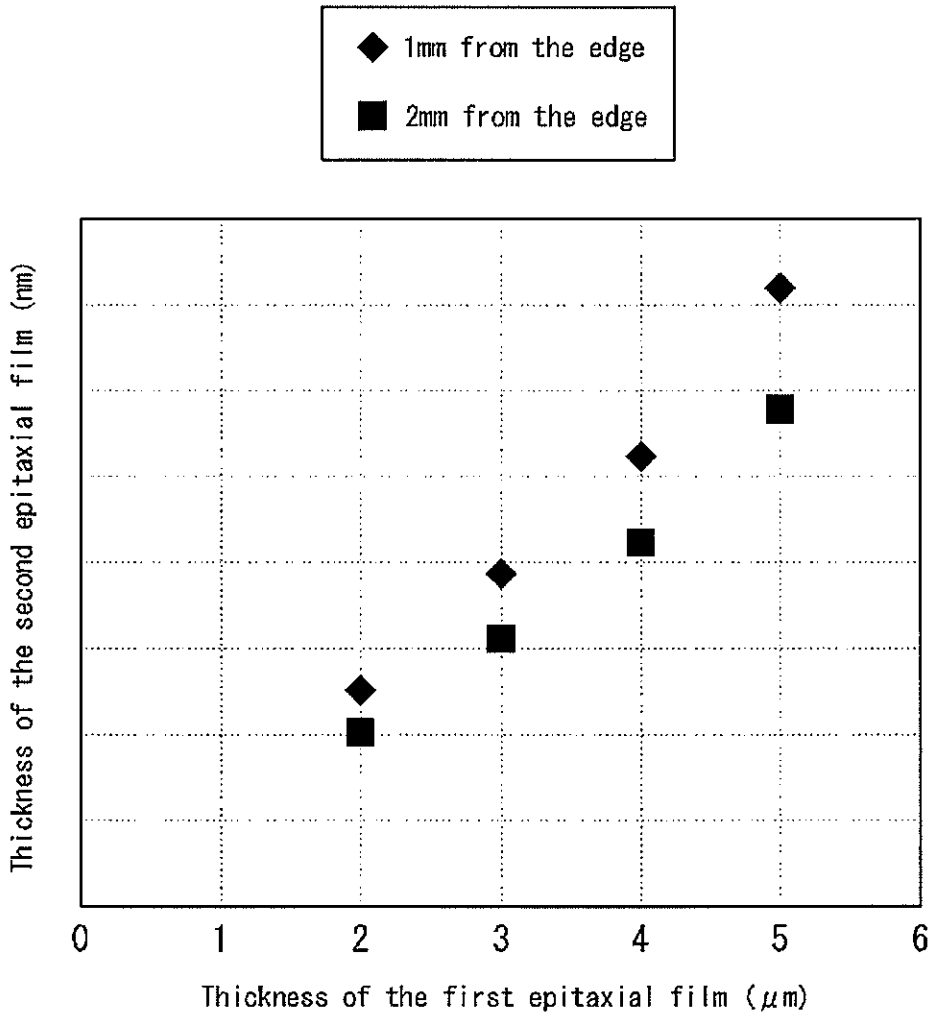

Normalized height (nm)
140 141 142 143 144 145 146 147 148 149 150
Distance from the center of the wafer (mm)

(b)


Normalized height (nm)
140 141 142 143 144 145 146 147 148 149 150
Distance from the center of the wafer (mm)

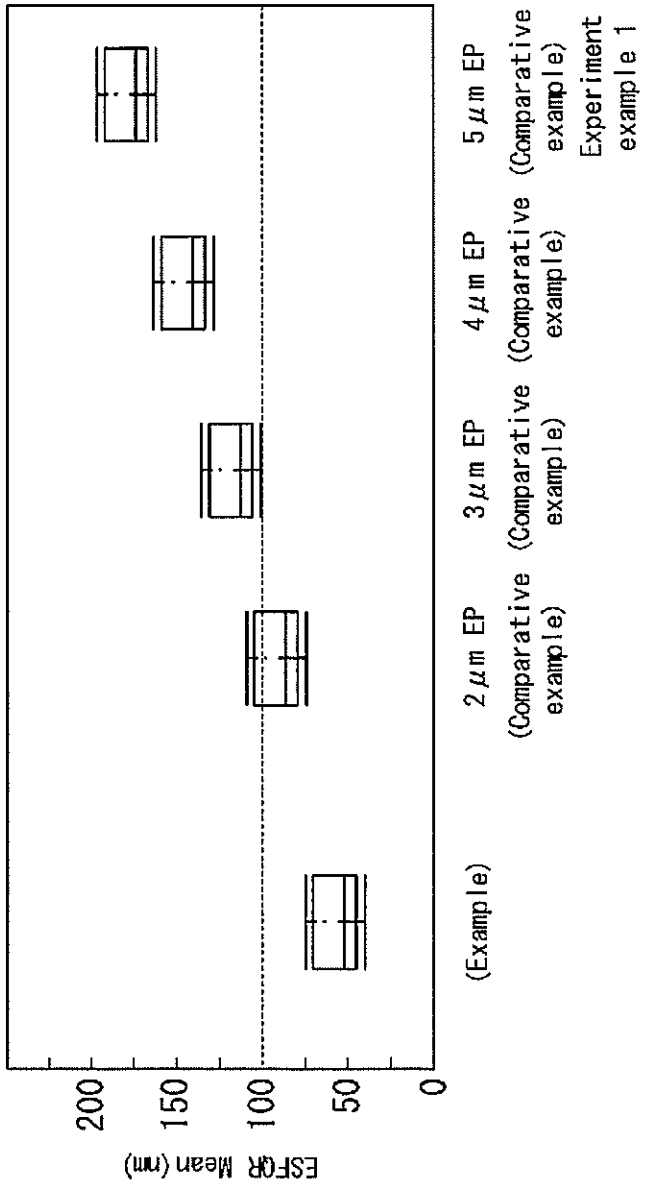
[Fig. 6]

FIG. 6


1mm from the edge
2mm from the edge
Thickness of the second epitaxial film (nm)
0
1
2
3
4
5
6
Thickness of the first epitaxial film (μm)

[Fig. 7]

FIG. 7


ESFQR Mean (nm)
200
150
100
50
0
(Example)
2 μm EP (Comparative example)
3 μm EP (Comparative example)
4 μm EP (Comparative example)
5 μm EP (Comparative example)
Experiment example 1

[Fig. 8]

FIG. 8

