Fig. 1

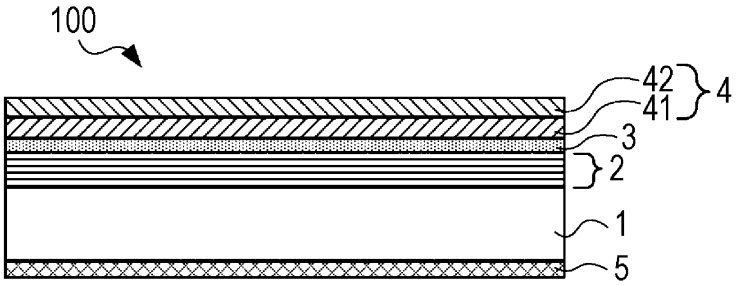


Fig. 2

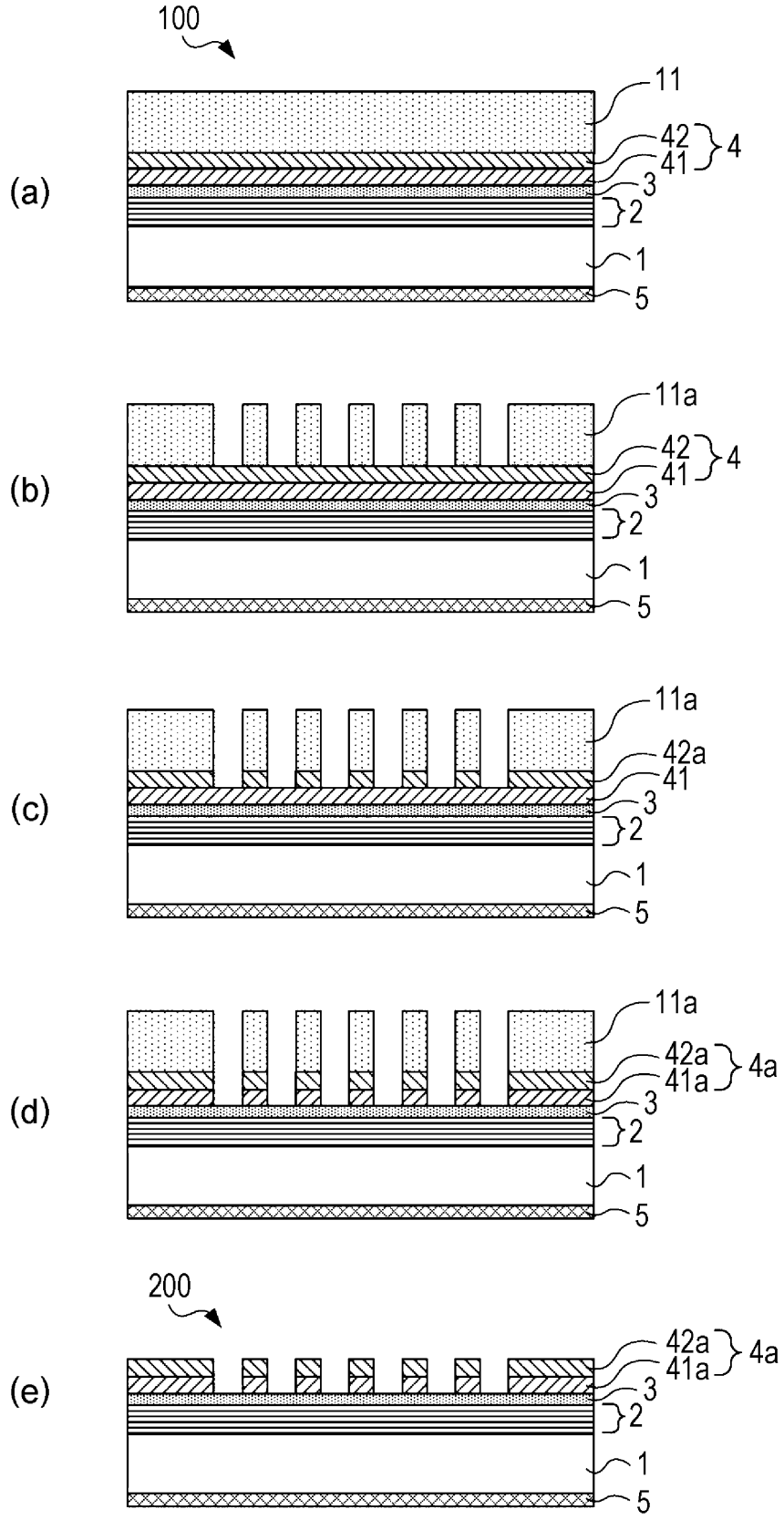
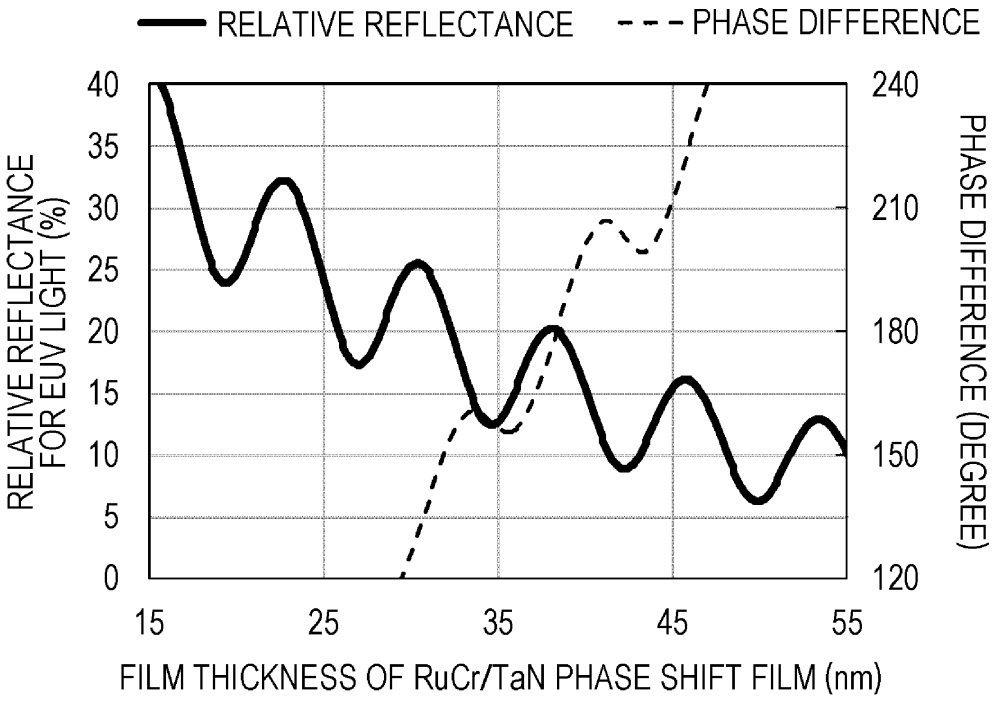


Fig. 3


RELATIVE REFLECTANCE
PHASE DIFFERENCE
RELATIVE REFLECTANCE FOR EUV LIGHT (%)
PHASE DIFFERENCE (DEGREE)
40
35
30
25
20
15
10
5
0
240
210
180
150
120
15
25
35
45
55
FILM THICKNESS OF RuCr/TaN PHASE SHIFT FILM (nm)