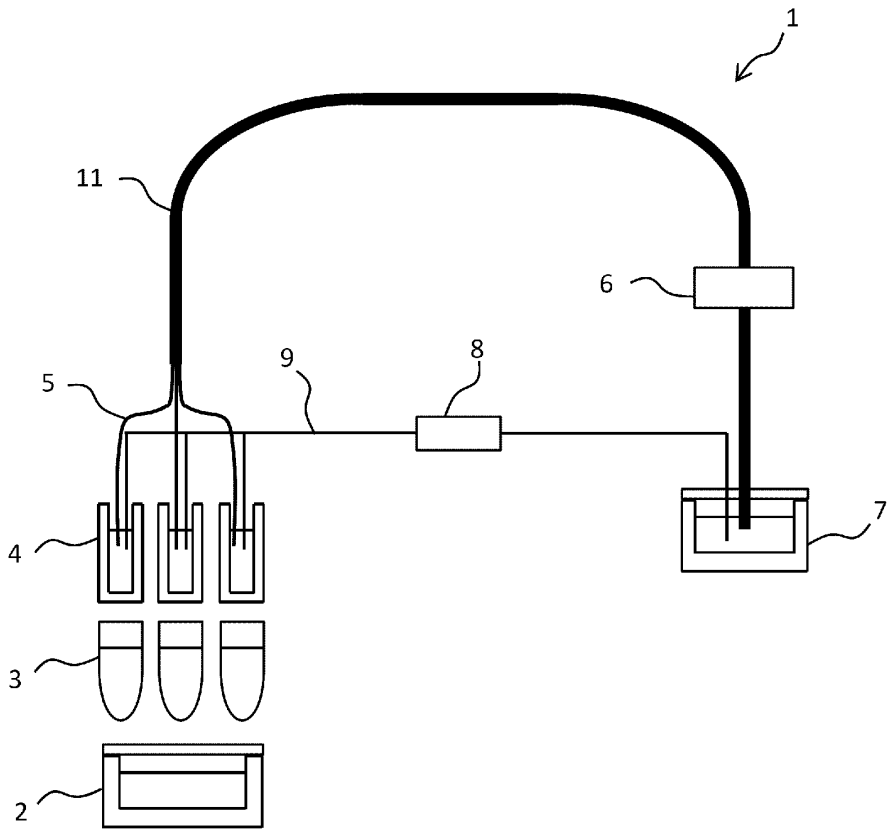
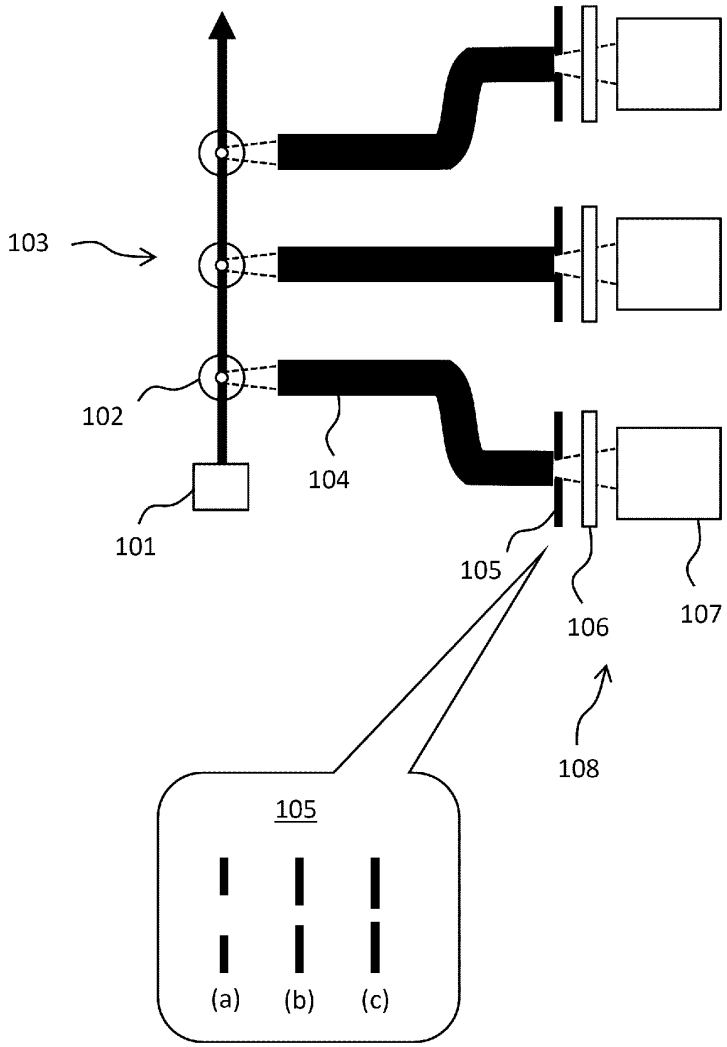
[図1]

図1



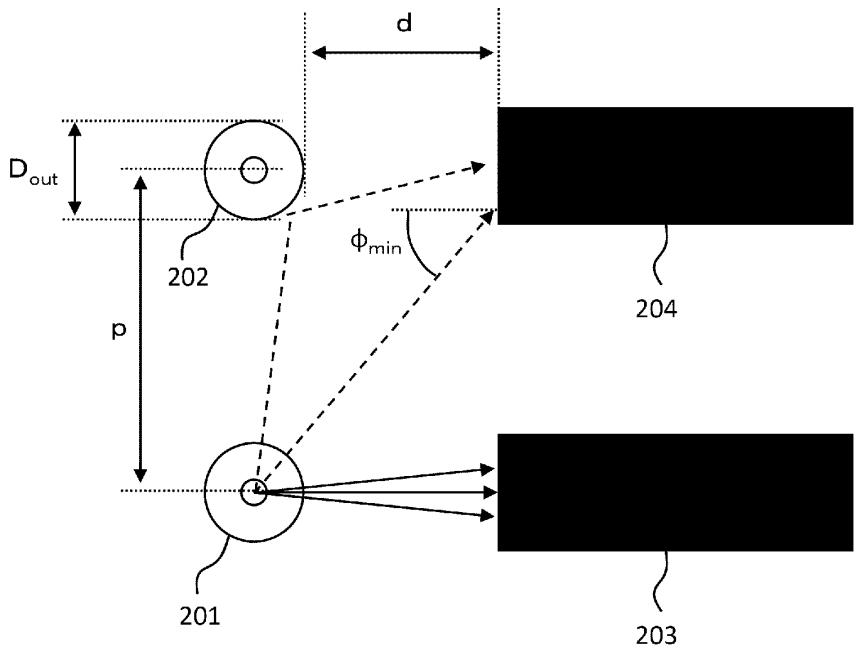
[図2]

図2



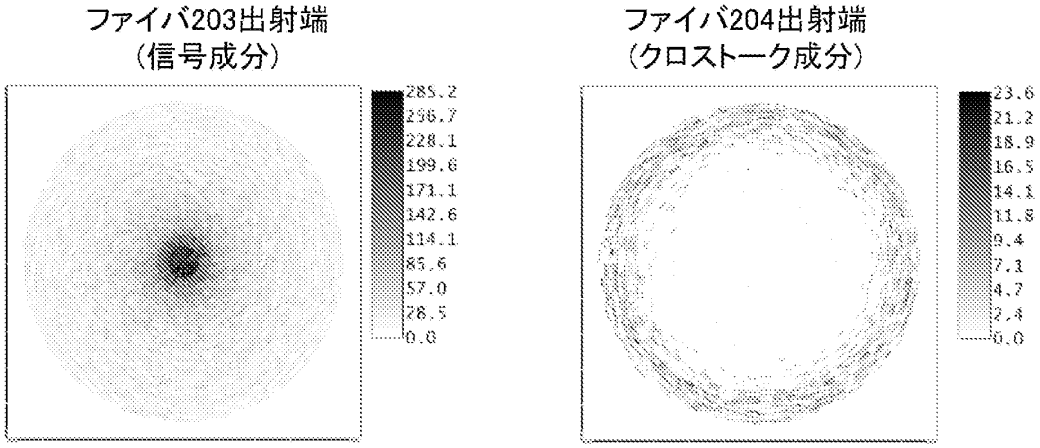
[図3]

図3



[図4]

図4


ファイバ203出射端
（信号成分）
285.2
256.7
228.1
199.6
171.1
142.6
114.1
85.6
57.0
28.5
0.0
ファイバ204出射端
（クロストーク成分）
23.6
21.2
18.9
16.5
14.1
11.8
9.4
7.1
4.7
2.4
0.0

[図5]

図5

図5(a) 信号強度

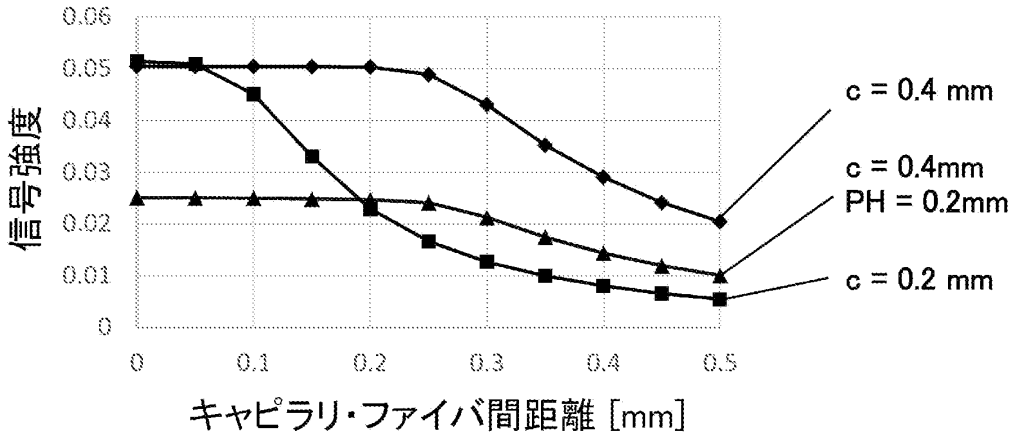
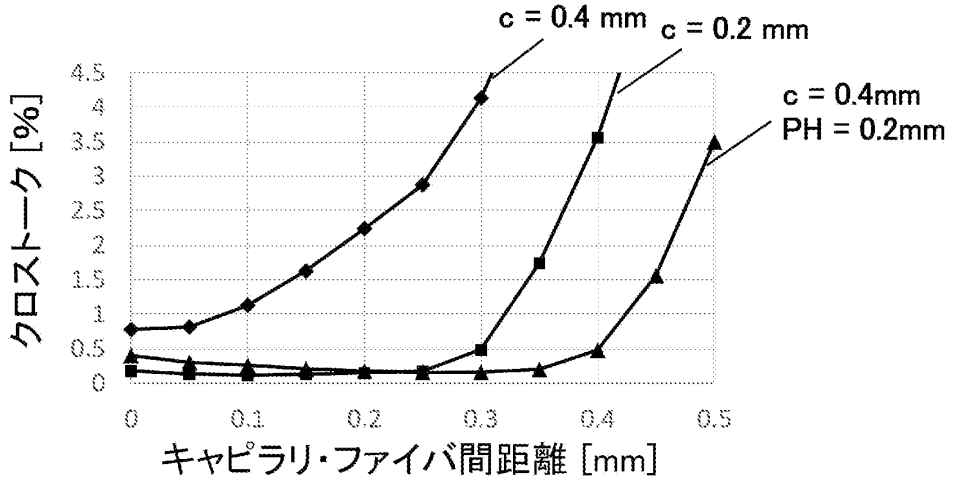


図5(b) 信号強度



[図6]

図6

図6(a)

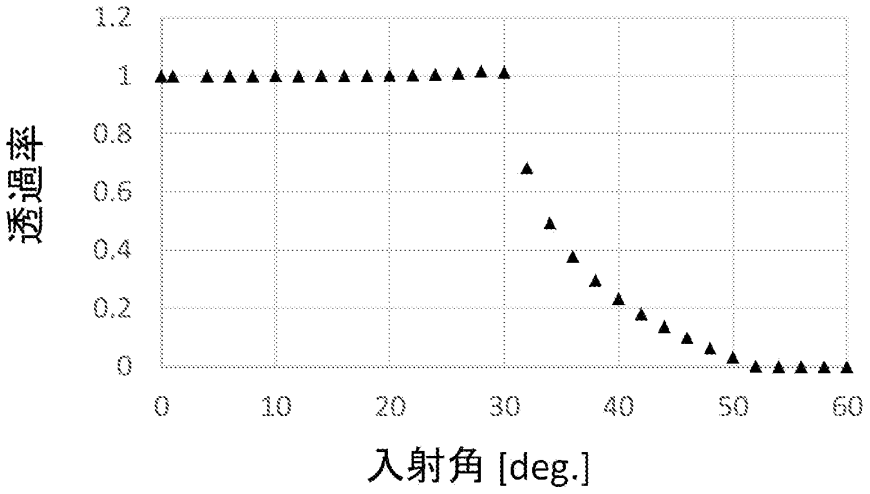
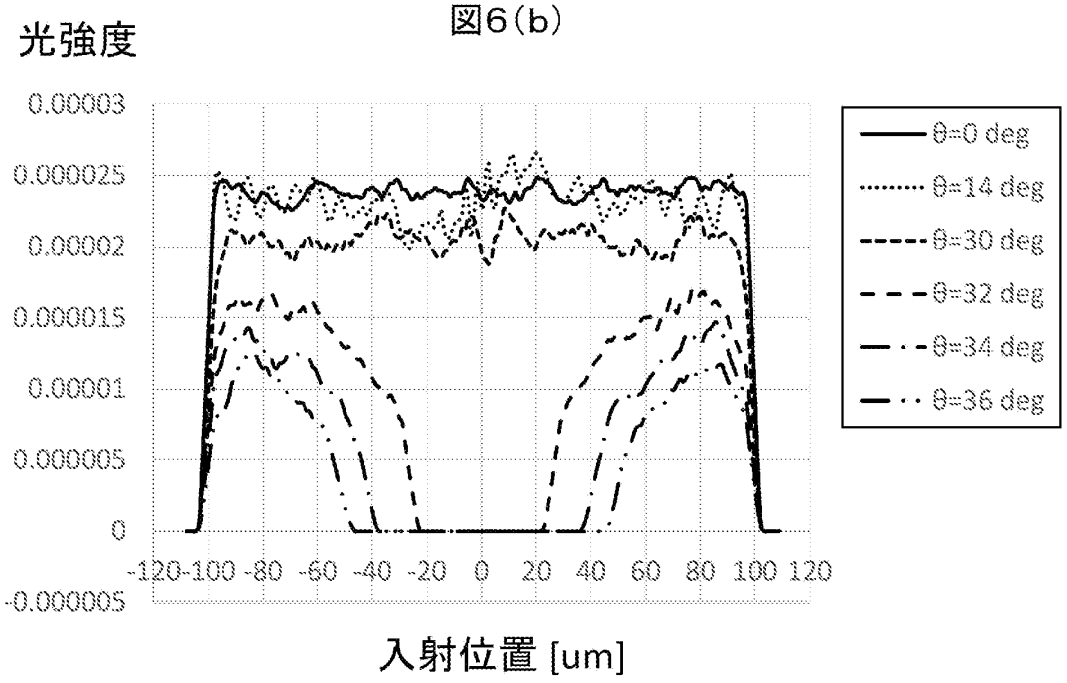
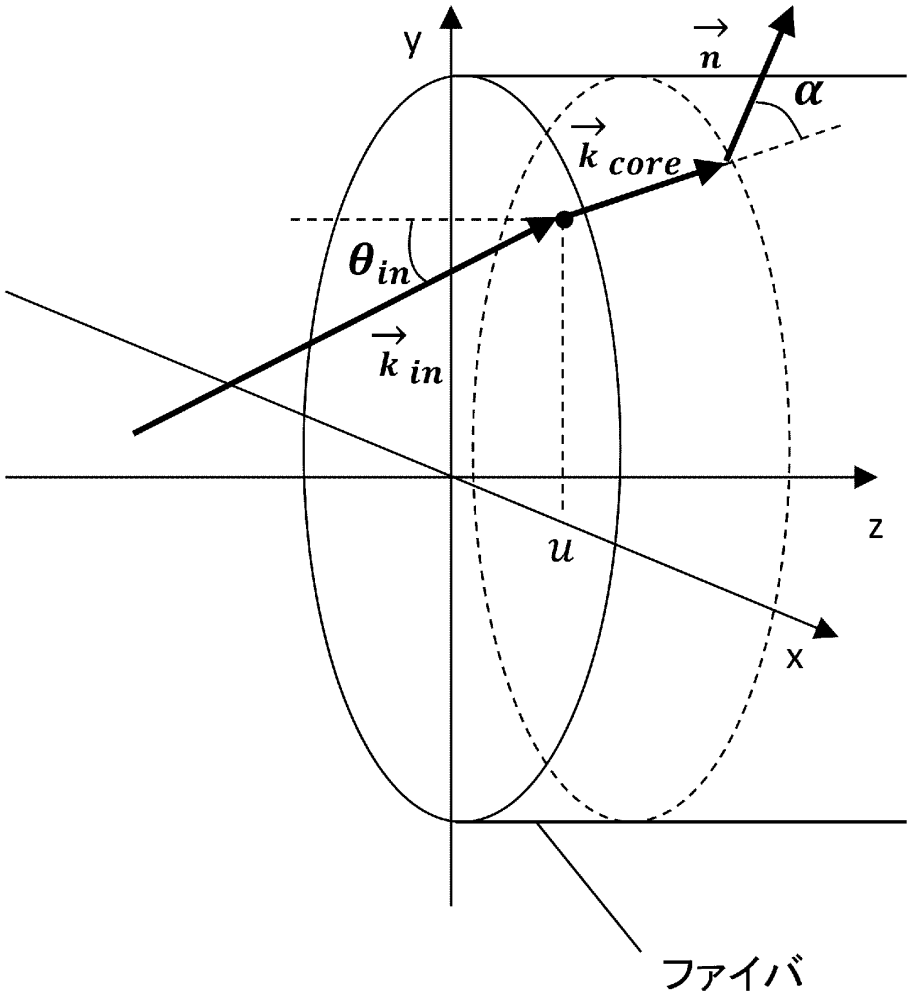

1.2
1
0.8
0.6
0.4
0.2
0
透過率
0
10
20
30
40
50
60
入射角 [deg.]

図6(b)


光強度
0.00003
0.000025
0.00002
0.000015
0.00001
0.000005
0
-0.000005
-120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120
入射位置 [um]
θ=0 deg
θ=14 deg
θ=30 deg
θ=32 deg
θ=34 deg
θ=36 deg

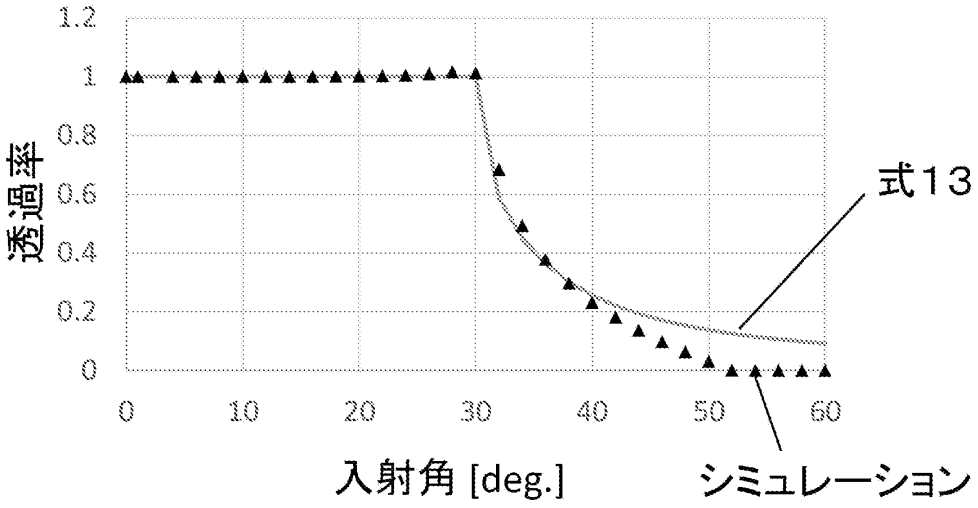
［図7］

図7



[図8]

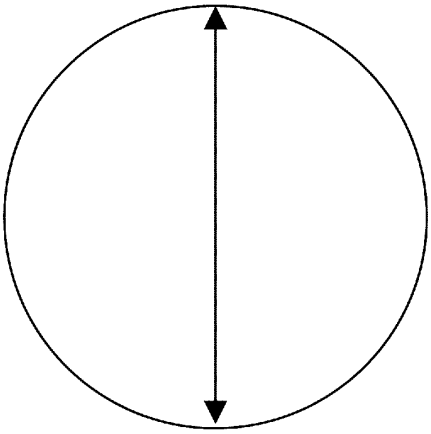
図8



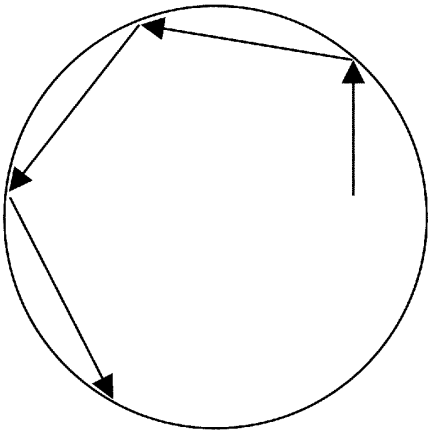
[図9]

図9

(a)

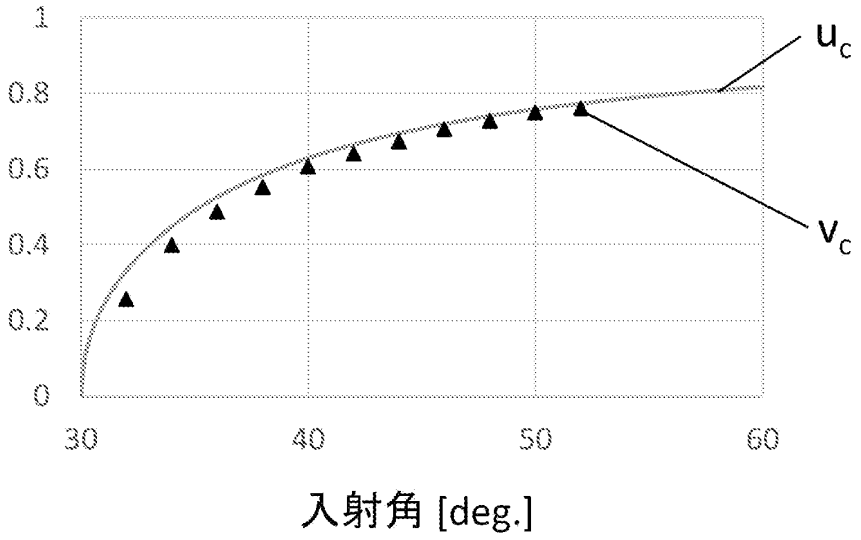


(b)



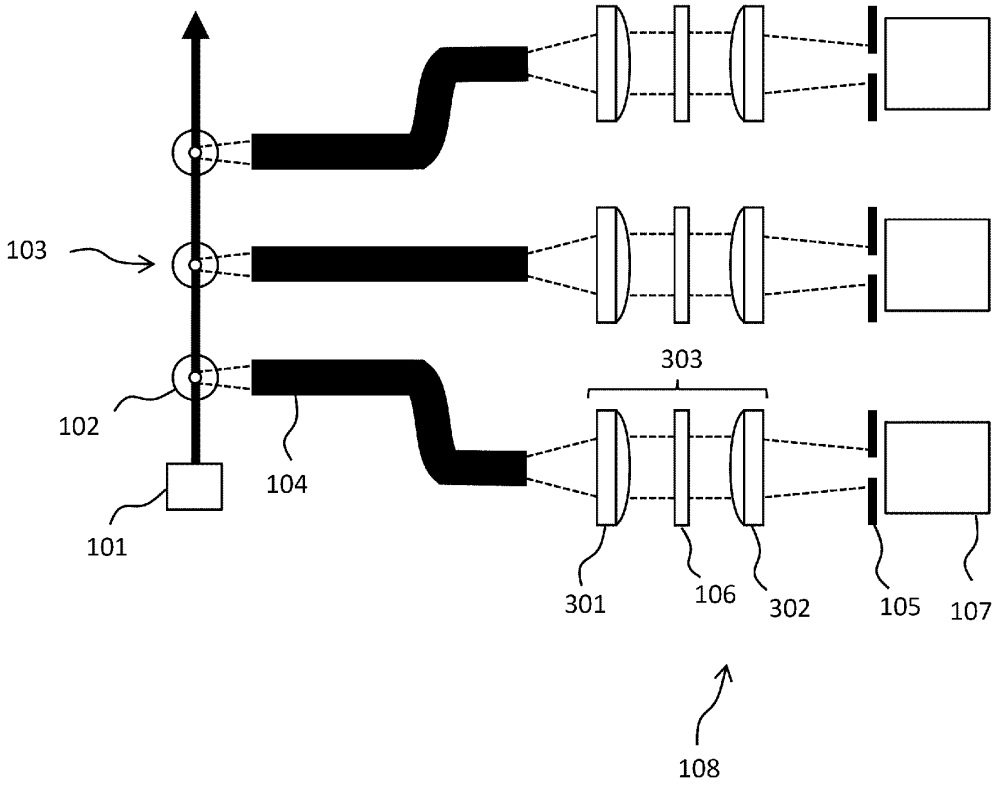
[図10]

図10



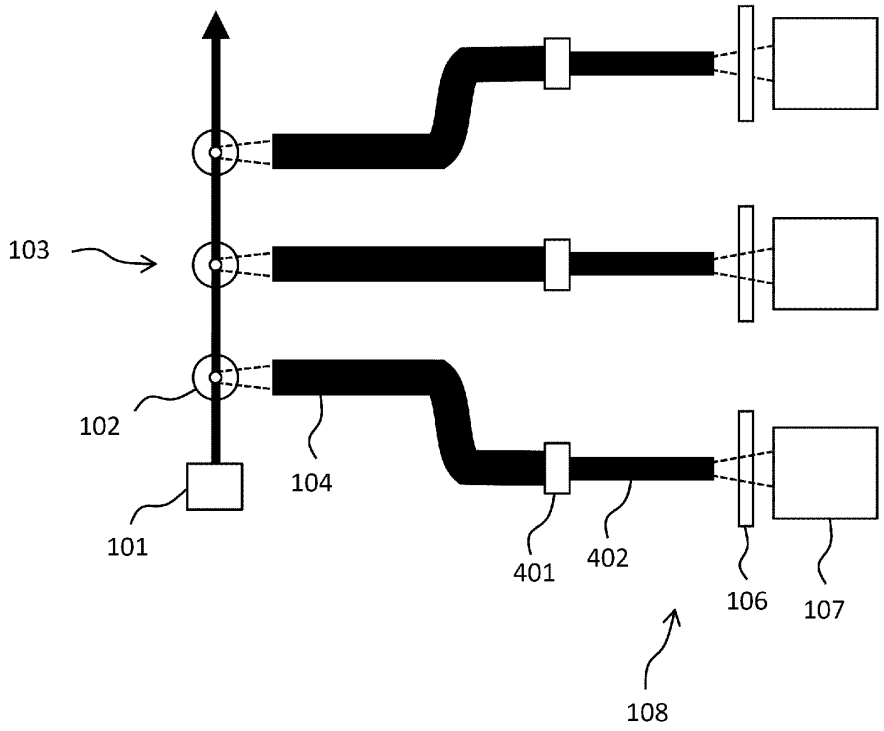
[図11]

図11



[図12]

図12



[図13]

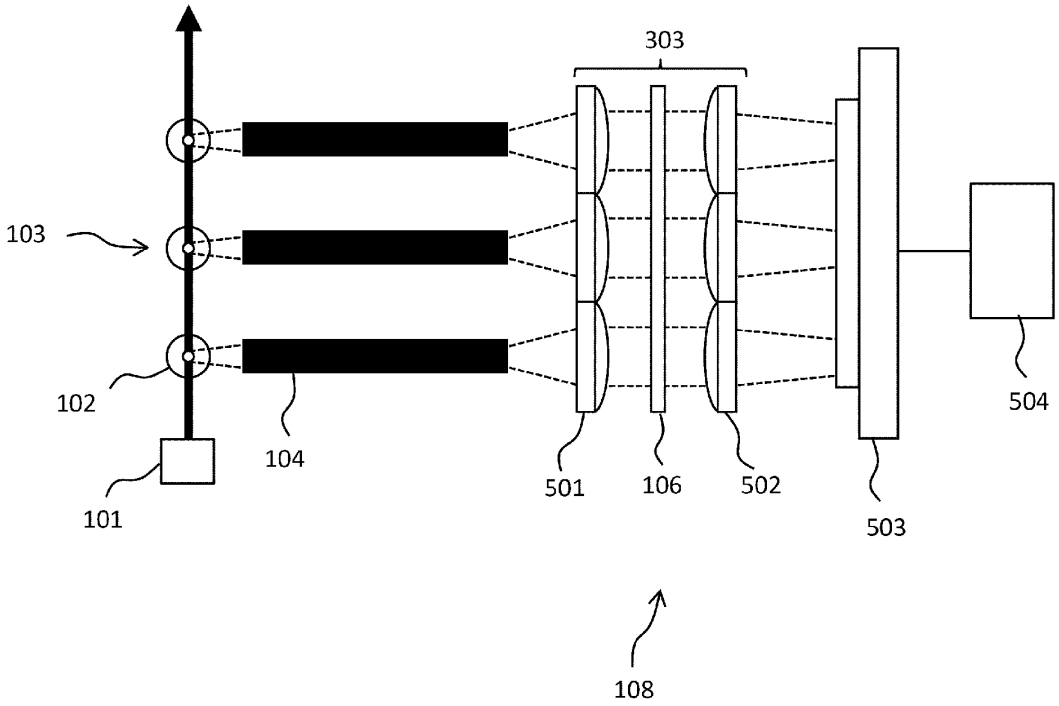



図13