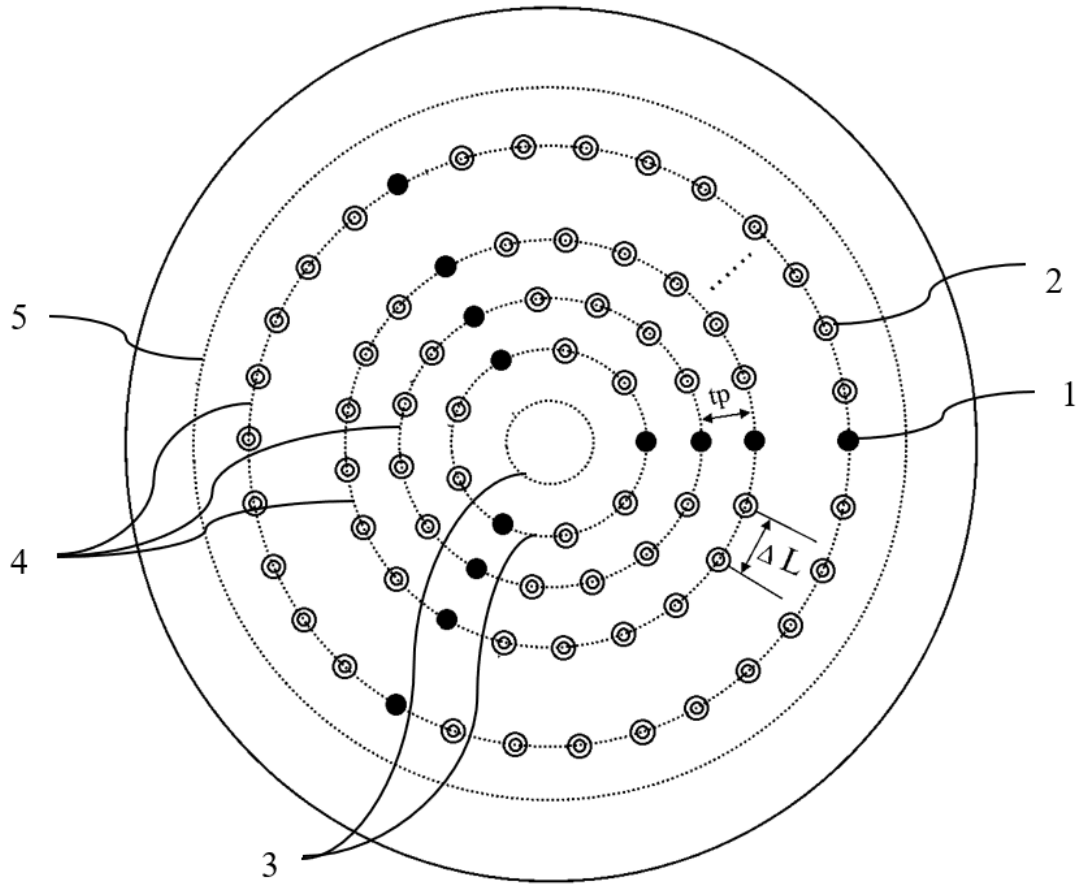

5
2
1
4
3
tp
ΔL

FIG. 1

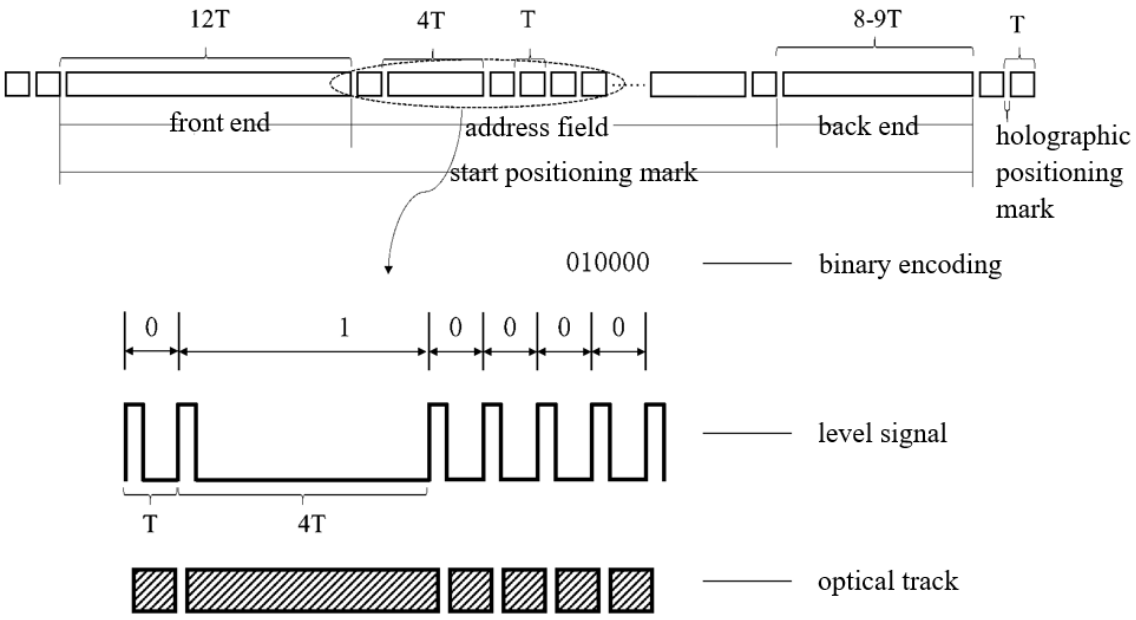

12T
4T
T
8-9T
T
front end
address field
back end
holographic positioning mark
start positioning mark
010000
binary encoding
0
1
0
0
0
0
level signal
T
4T
optical track

FIG. 2

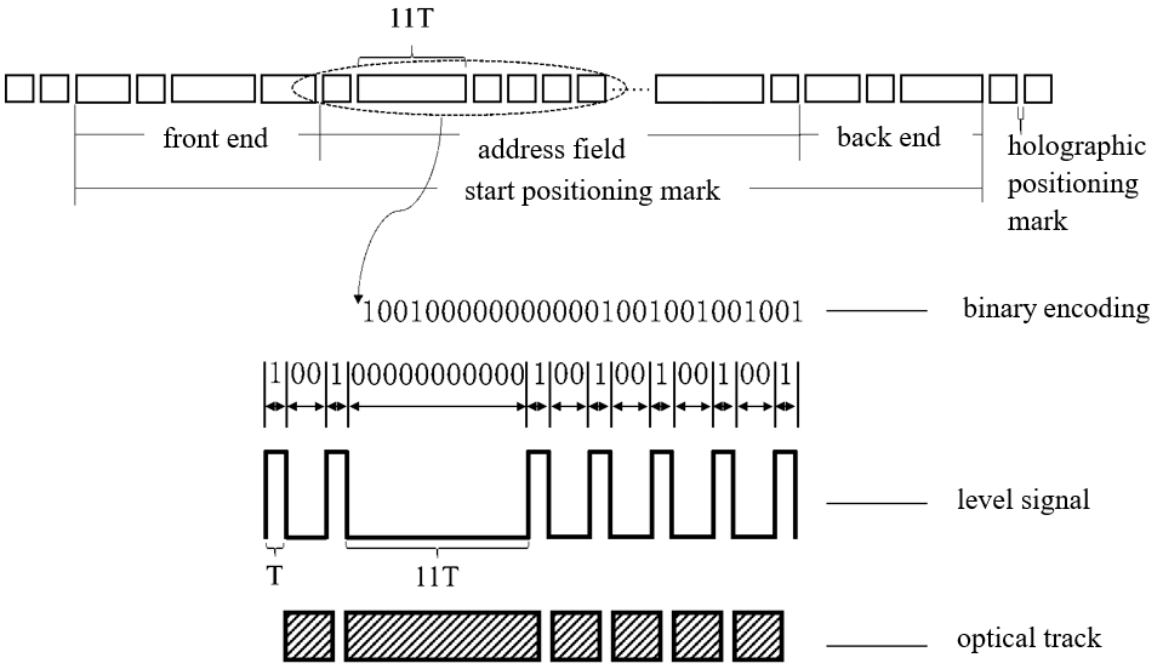

11T
front end
address field
back end
holographic positioning mark
start positioning mark
10010000000000010010010001
binary encoding
1|00|1|00000000000|1|00|1|00|1|00|1|00|1
level signal
T
11T
optical track

FIG. 3

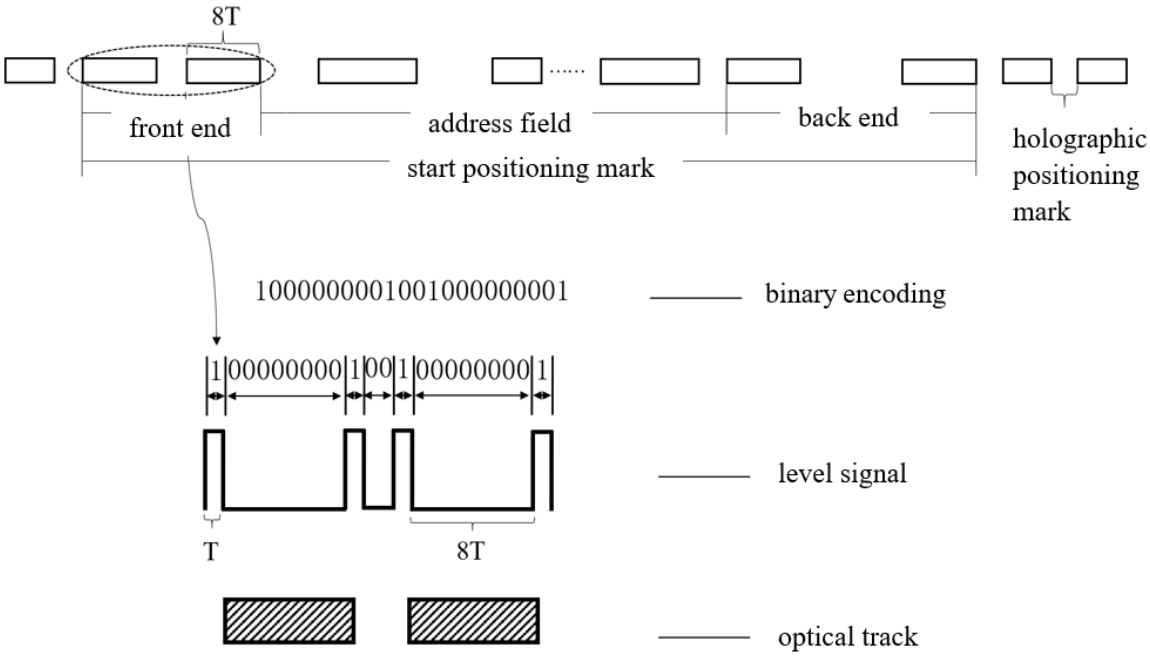

8T
front end
address field
back end
holographic positioning mark
start positioning mark
10000000010010000000001
binary encoding
1|00000000|1|00|1|00000000|1
level signal
T
8T
optical track

FIG. 4

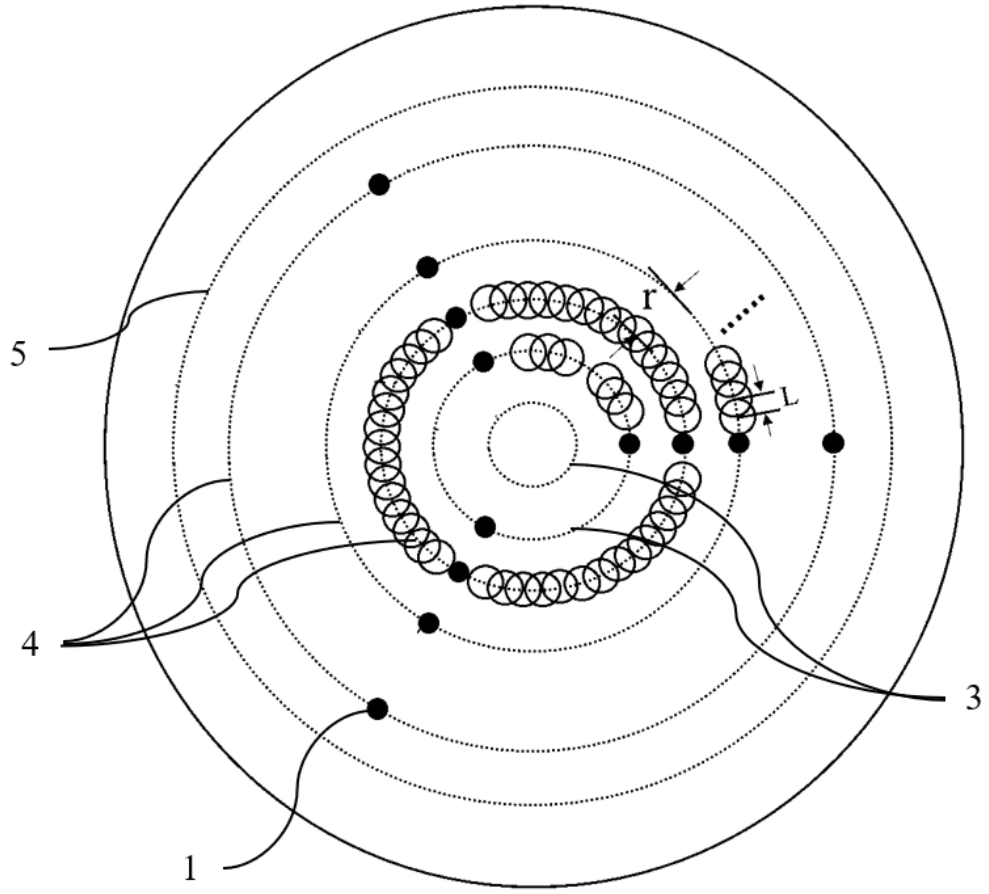

r
L
5
4
3
1

FIG. 5

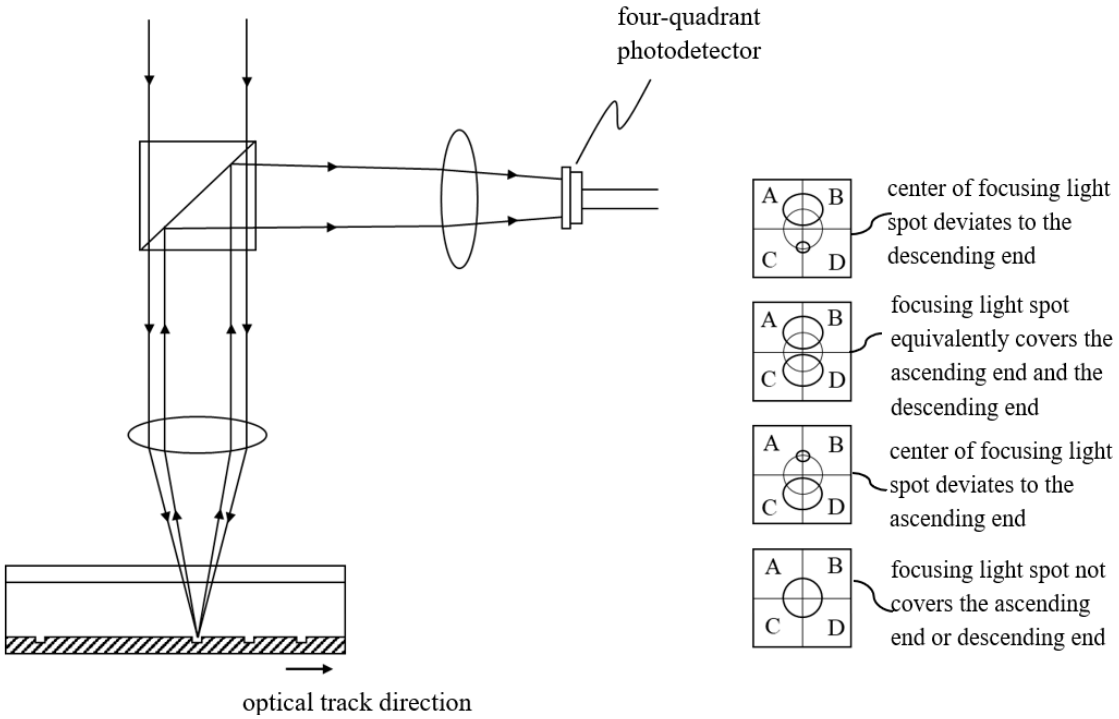

four-quadrant
photodetector
A
B
C
D
center of focusing light spot deviates to the descending end
focusing light spot equivalently covers the ascending end and the descending end
center of focusing light spot deviates to the ascending end
focusing light spot not covers the ascending end or descending end
optical track direction

FIG. 6

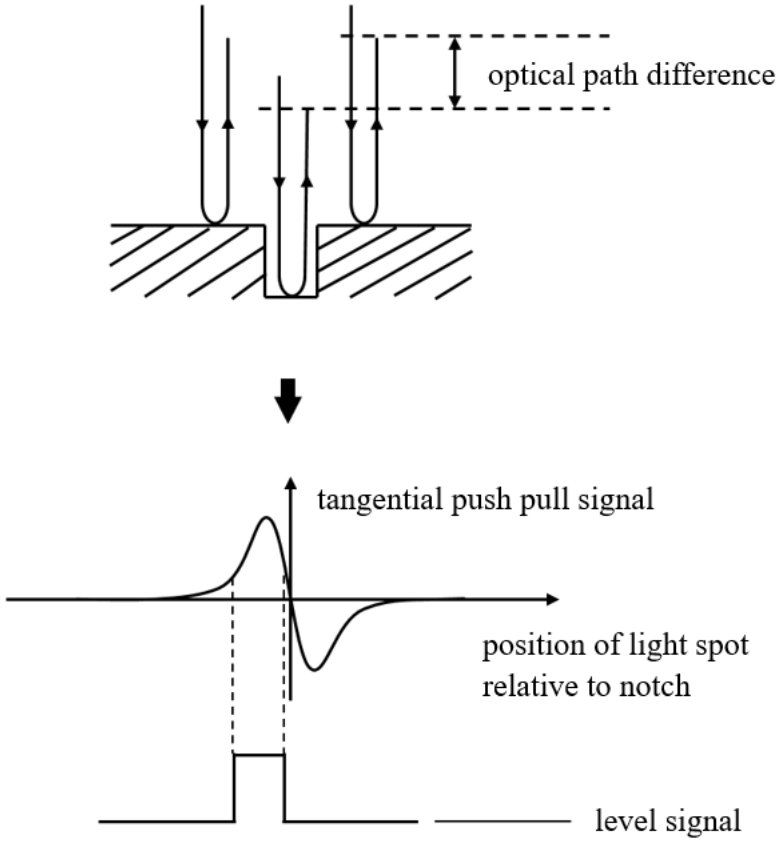

optical path difference
tangential push pull signal
position of light spot
relative to notch
level signal

FIG. 7

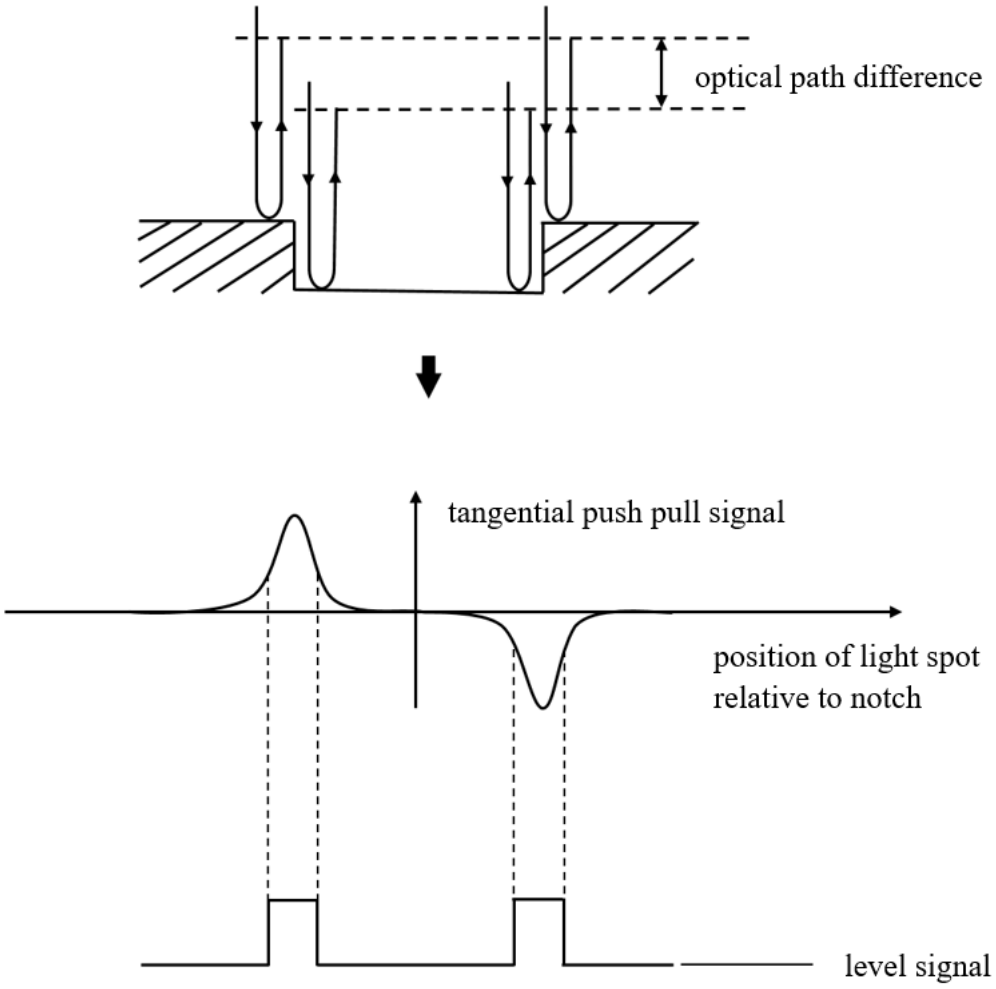

optical path difference
tangential push pull signal
position of light spot
relative to notch
level signal

FIG. 8

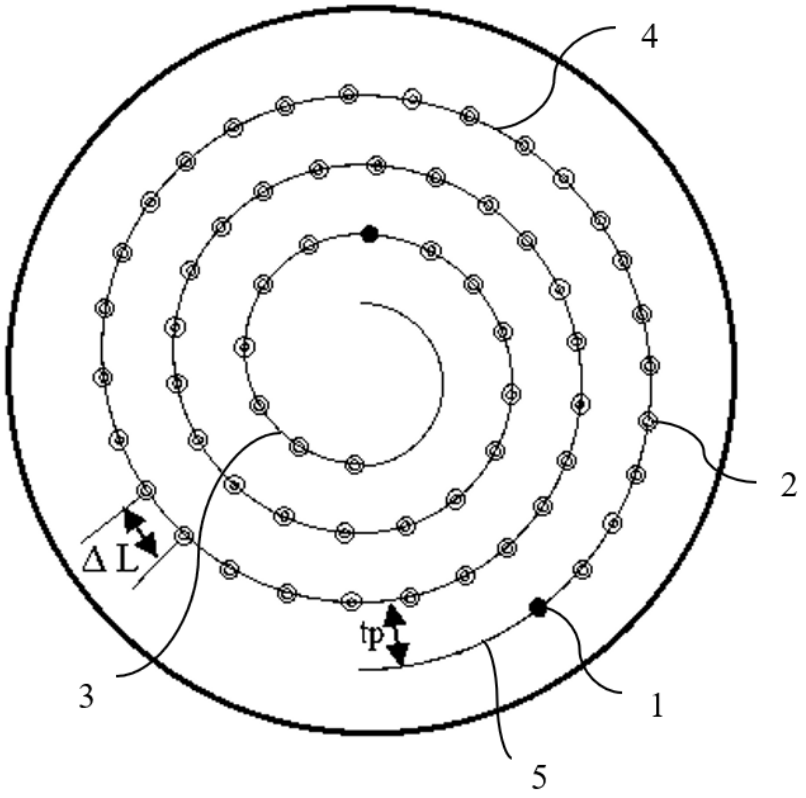


FIG. 9