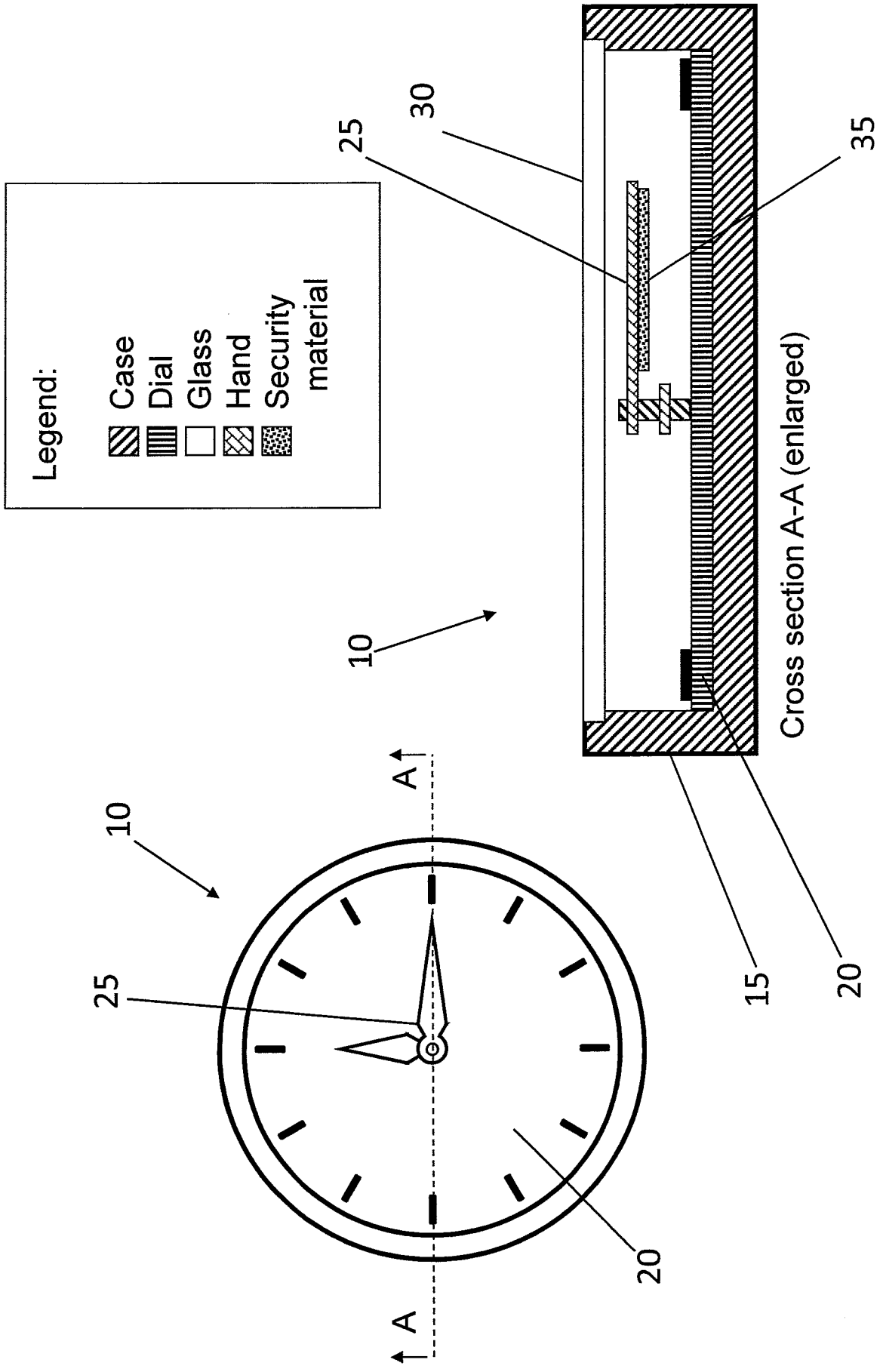

Legend:
Case
Dial
Glass
Hand
Security material
10
25
30
35
Cross section A-A (enlarged)
15
20
10
25
A
A
20

FIG. 1

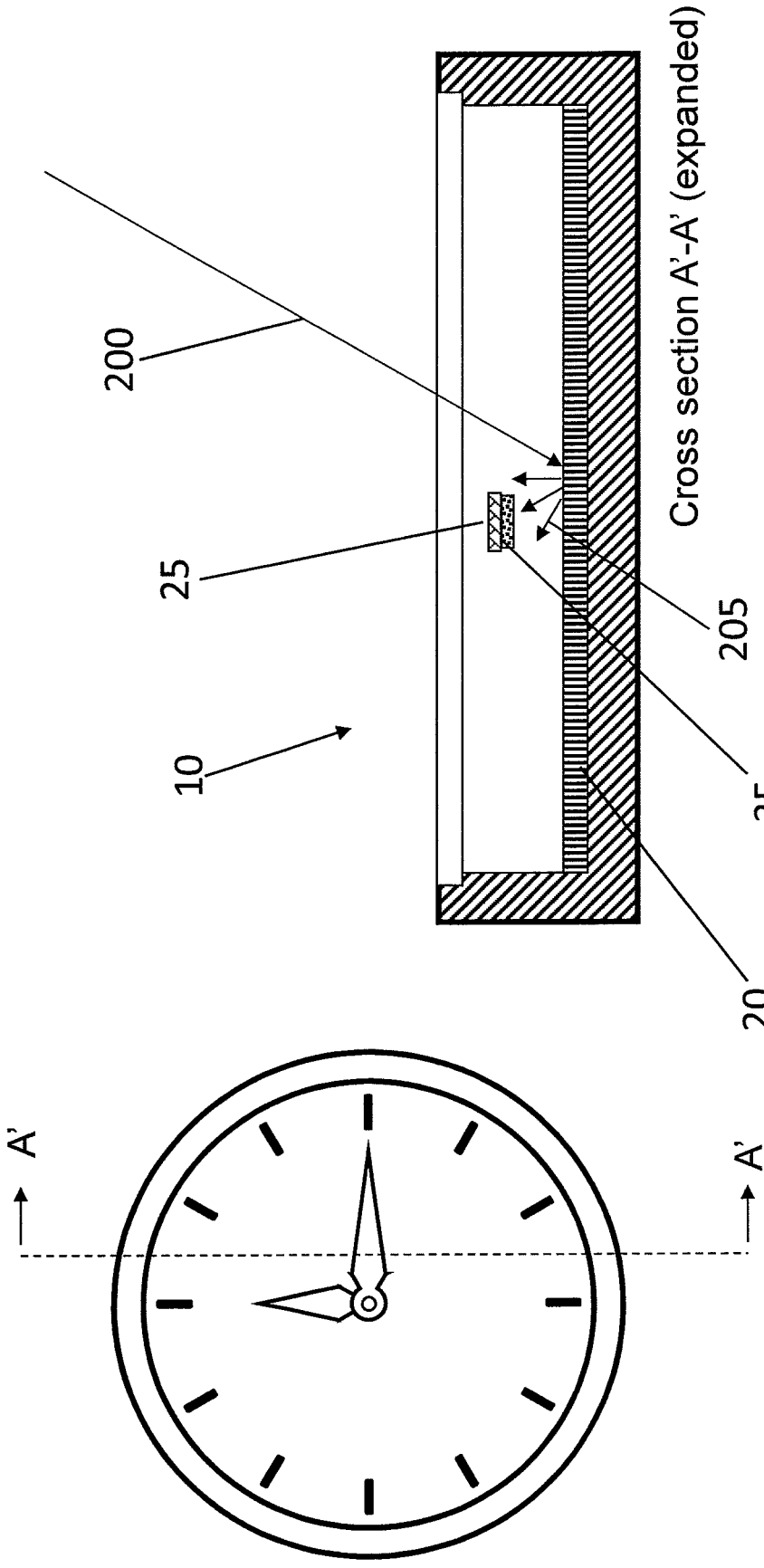


FIG. 2

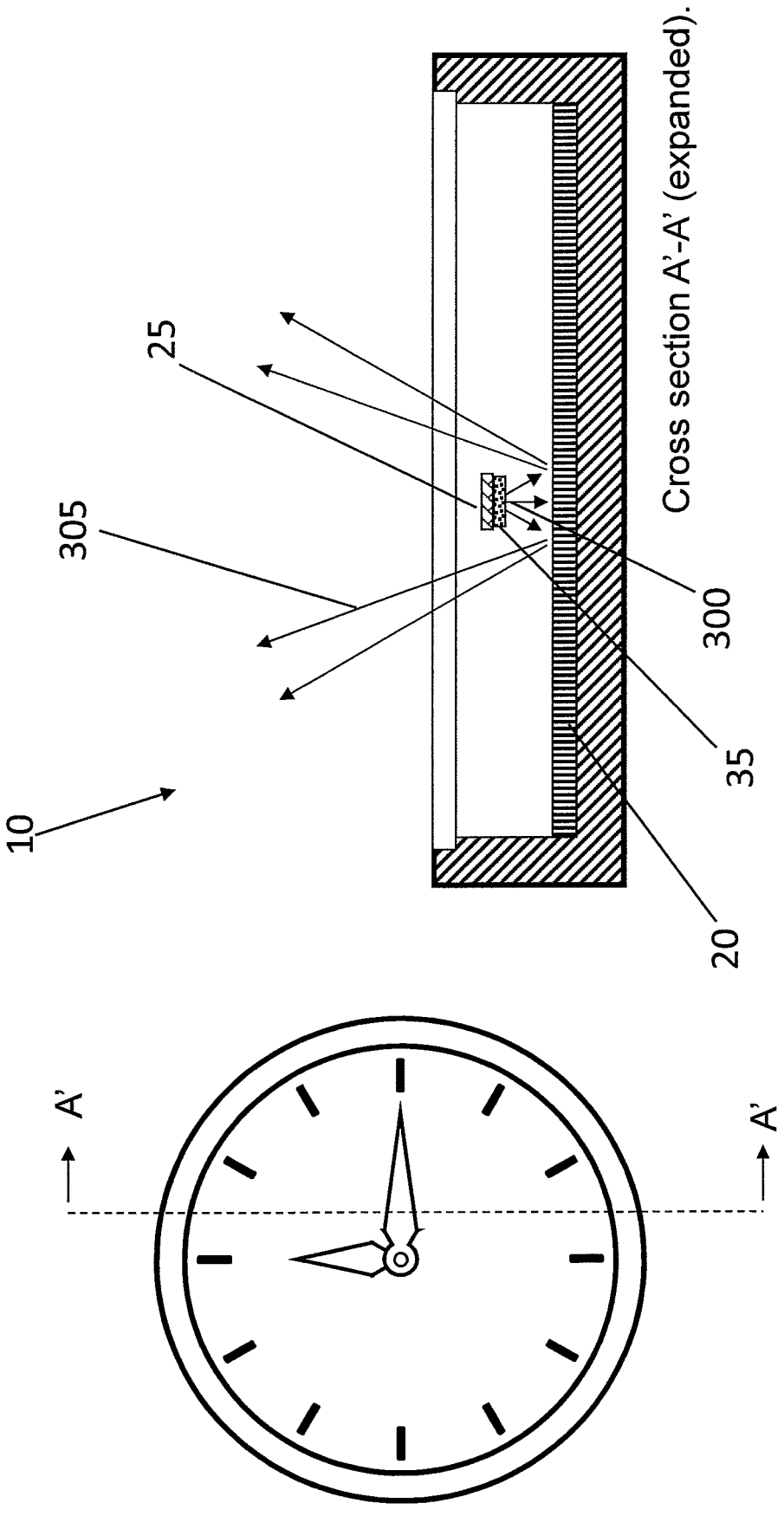


FIG. 3

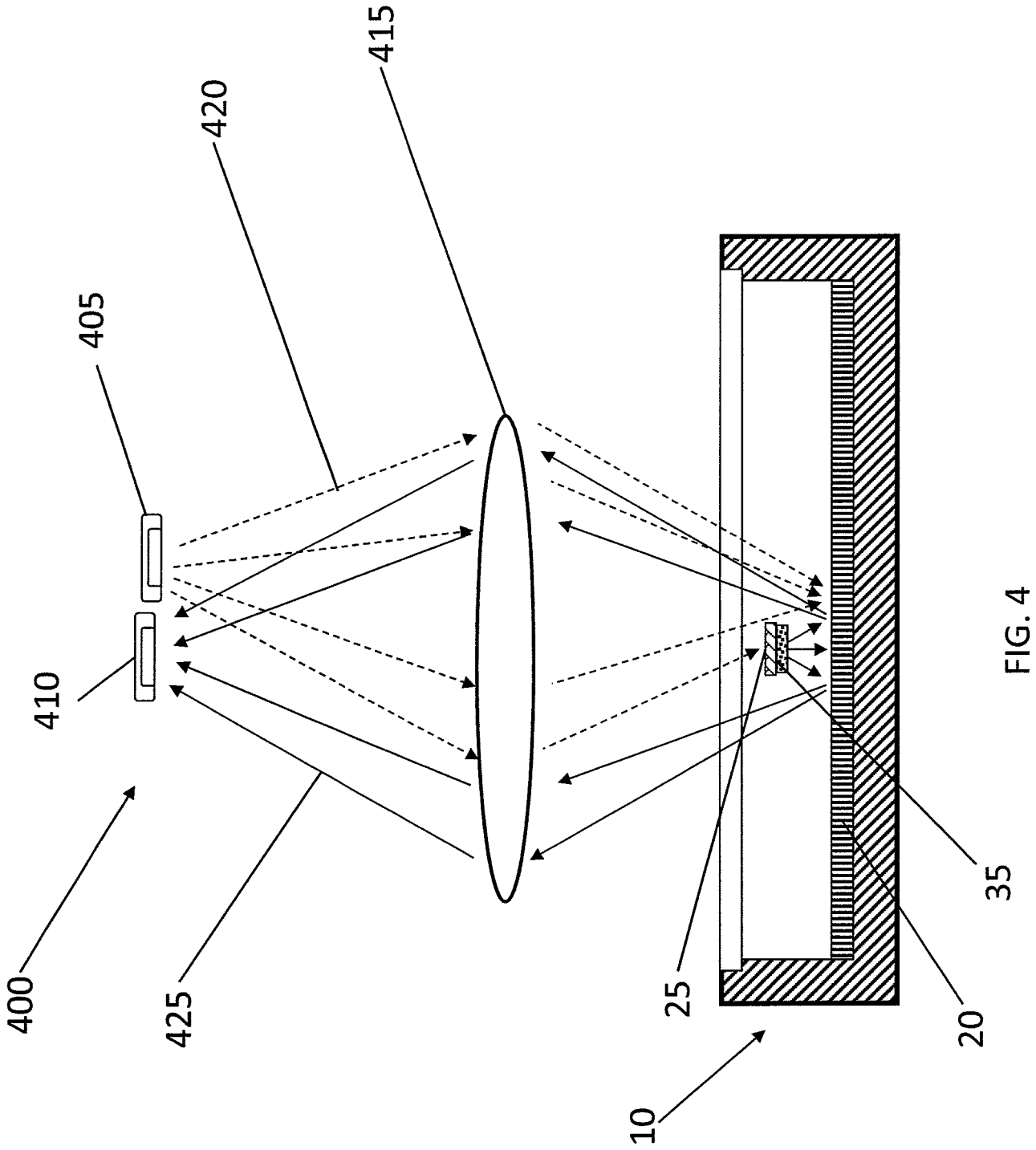


FIG. 4

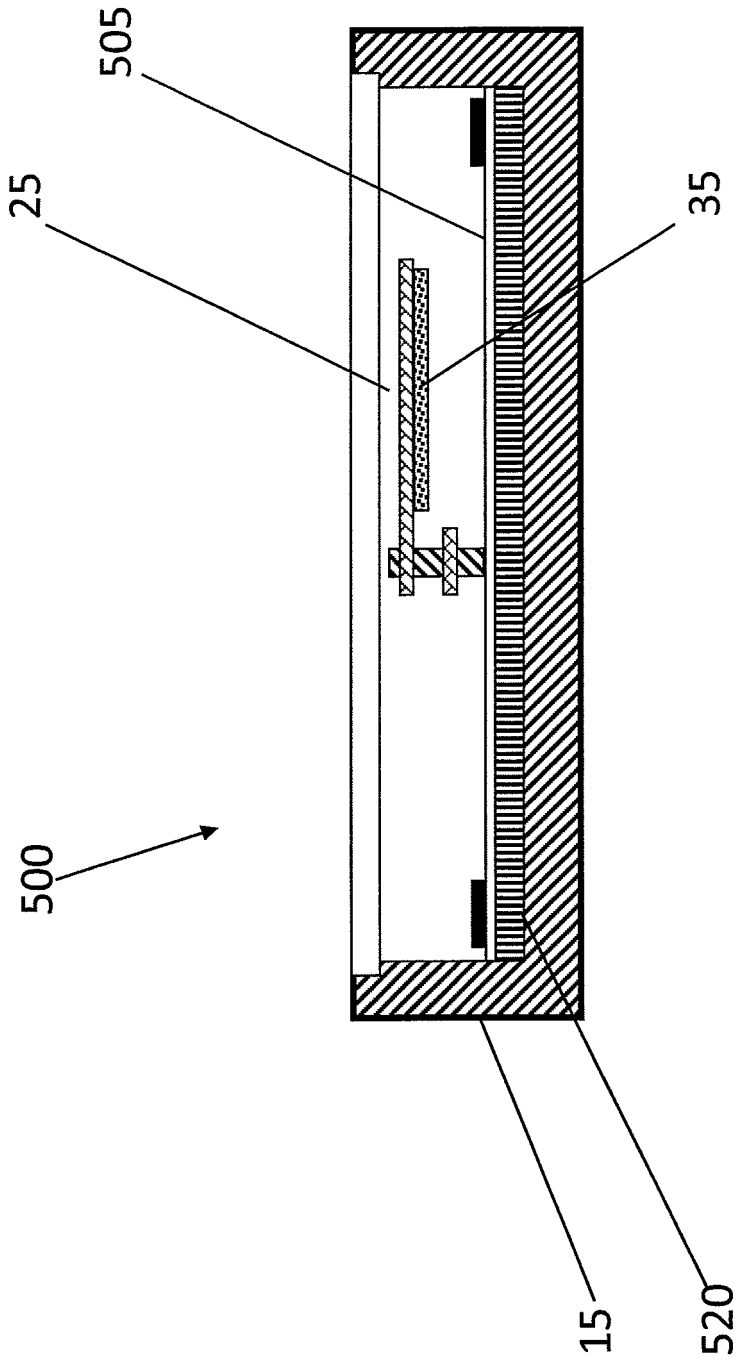


FIG. 5

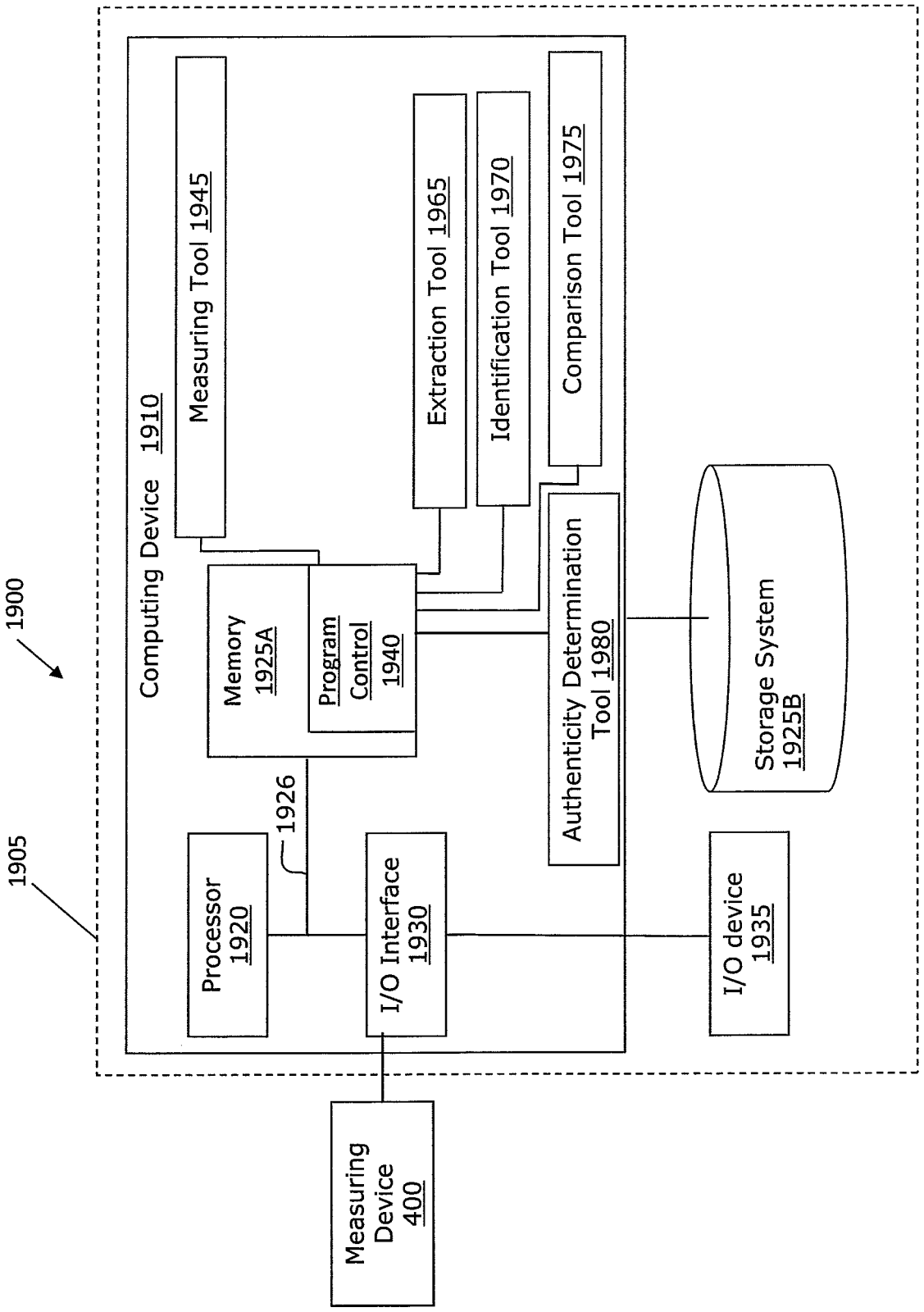

1900
1905
Computing Device 1910
Measuring Tool 1945
Extraction Tool 1965
Identification Tool 1970
Comparison Tool 1975
Memory 1925A
Program Control 1940
1926
Processor 1920
I/O Interface 1930
Authenticity Determination Tool 1980
Storage System 1925B
I/O device 1935
Measuring Device 400

FIG. 6

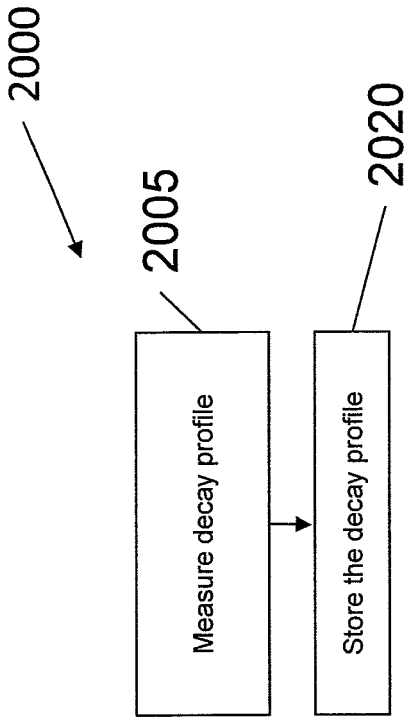

2000
2005
2020
Measure decay profile
Store the decay profile

FIG. 7

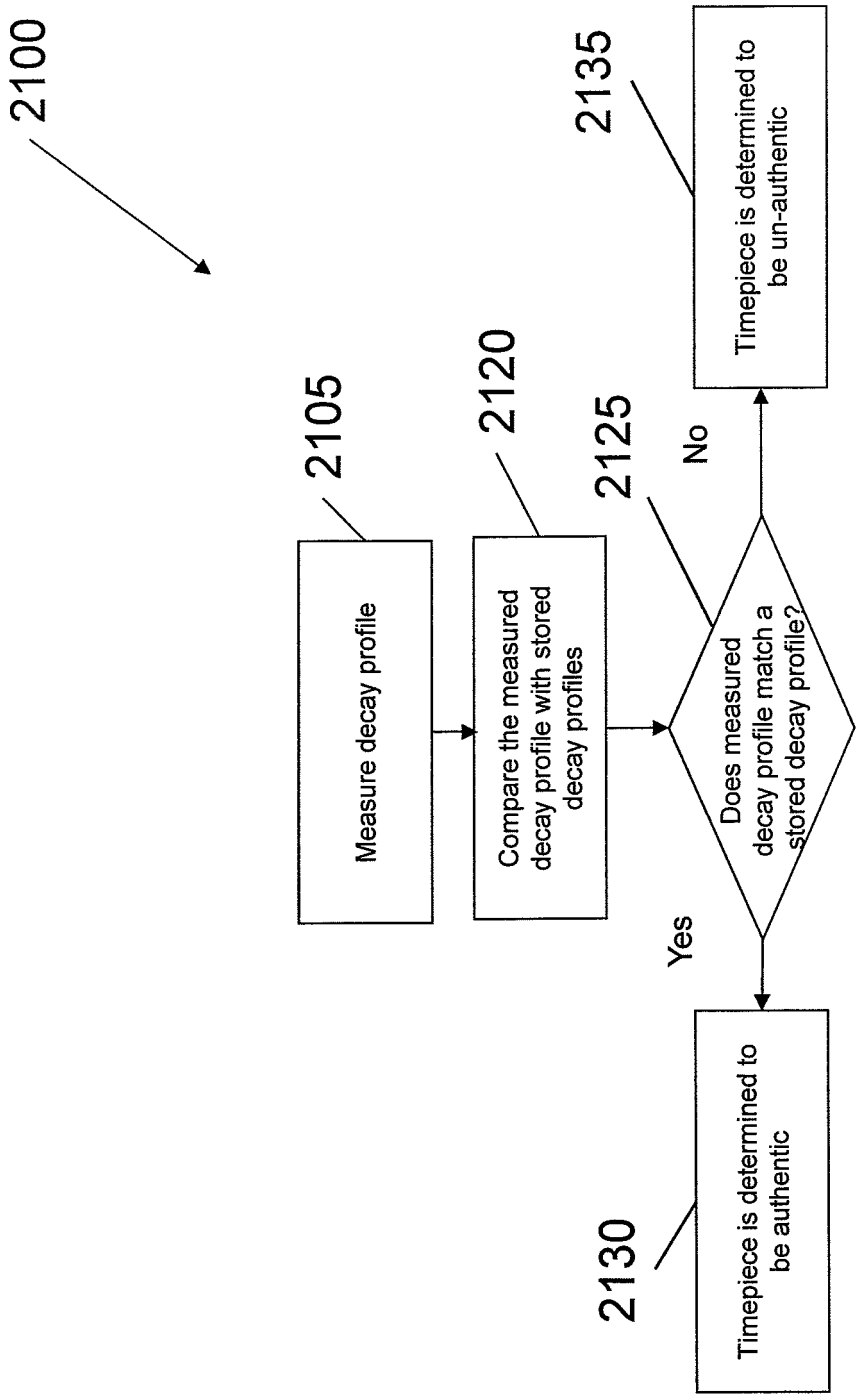

2100
2105
Measure decay profile
2120
Compare the measured decay profile with stored decay profiles
2125
Does measured decay profile match a stored decay profile?
No
2135
Timepiece is determined to be un-authentic
Yes
2130
Timepiece is determined to be authentic

FIG. 8

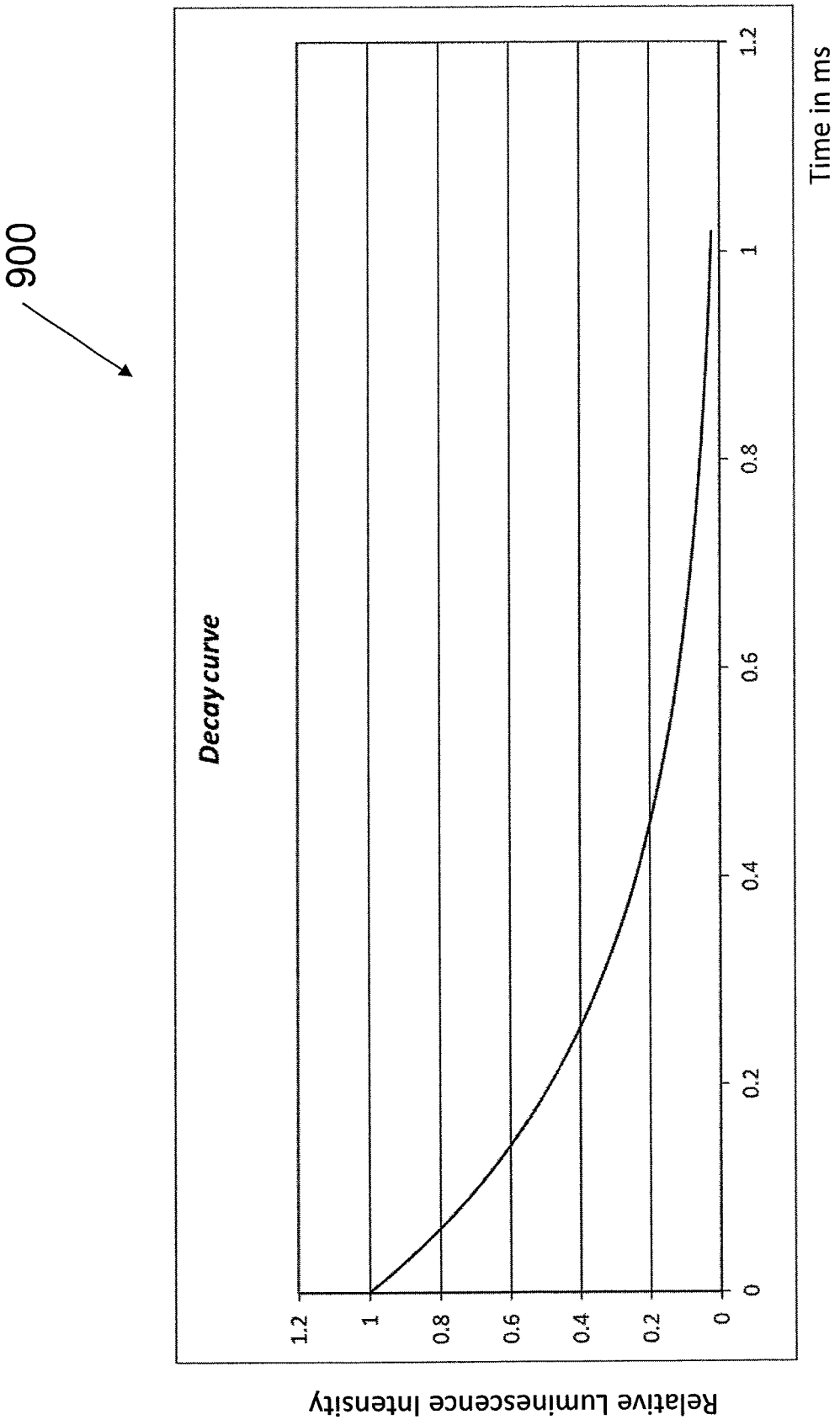

900
Decay curve
Relative Luminescence Intensity
Time in ms
0
0.2
0.4
0.6
0.8
1
1.2

FIG. 9