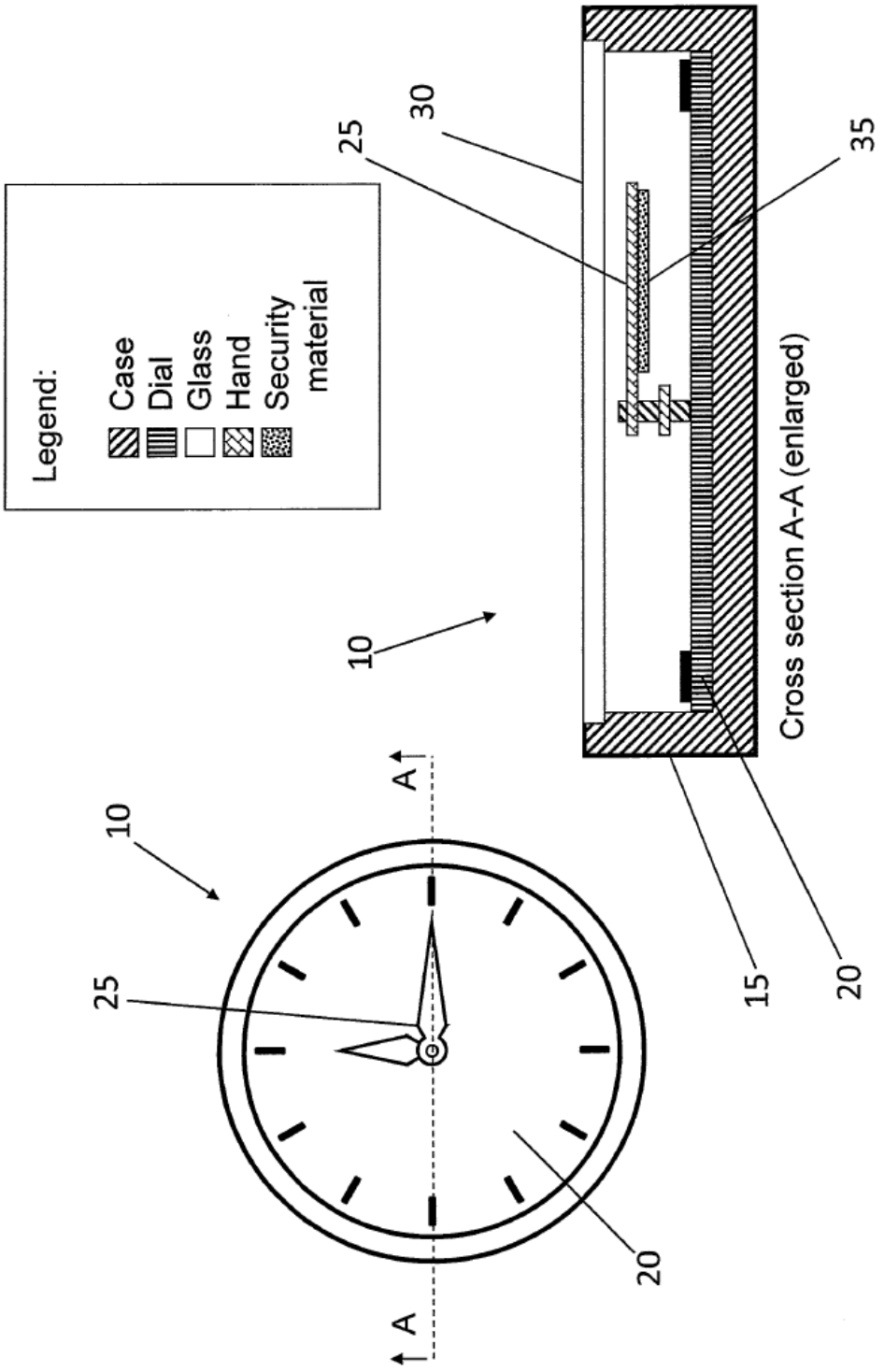

Legend:
Case
Dial
Glass
Hand
Security material
10
25
30
35
Cross section A-A (enlarged)
15
20
10
25
A
A
20

FIG. 1

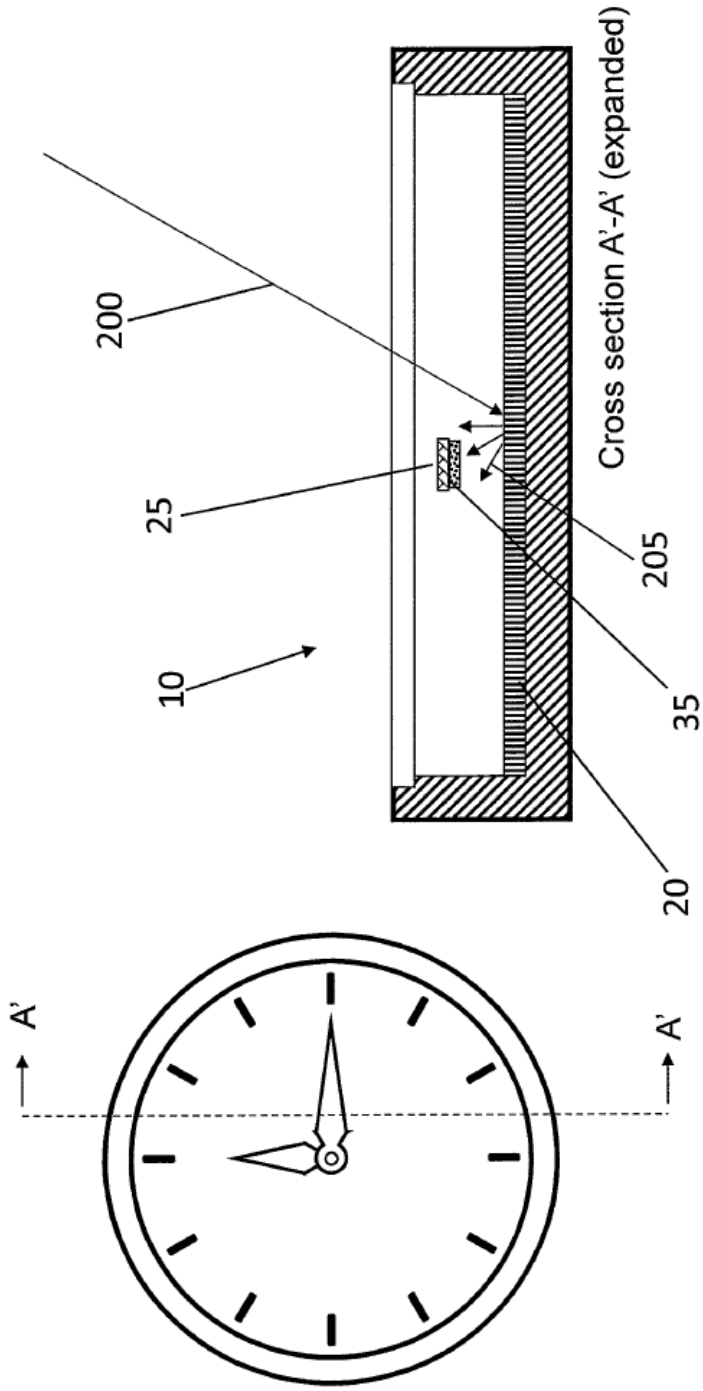


FIG. 2

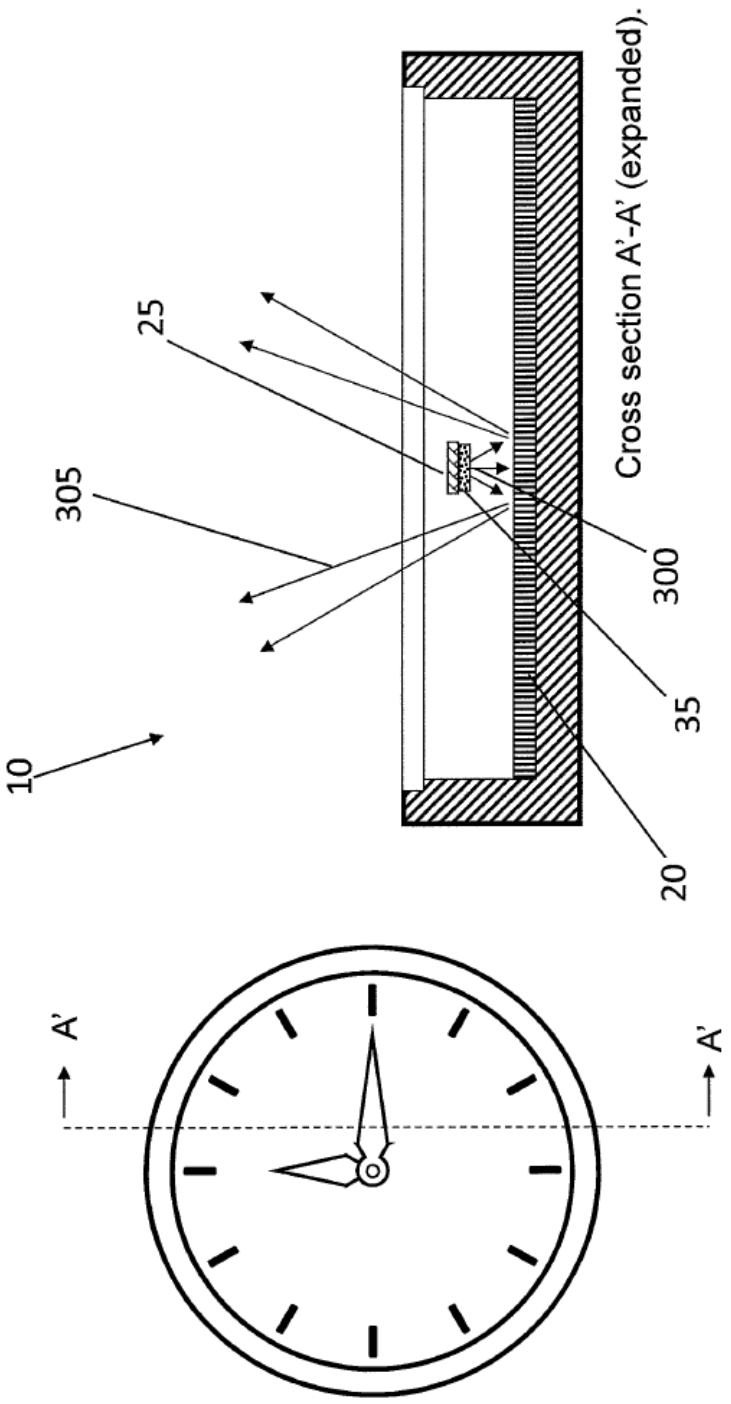


FIG. 3

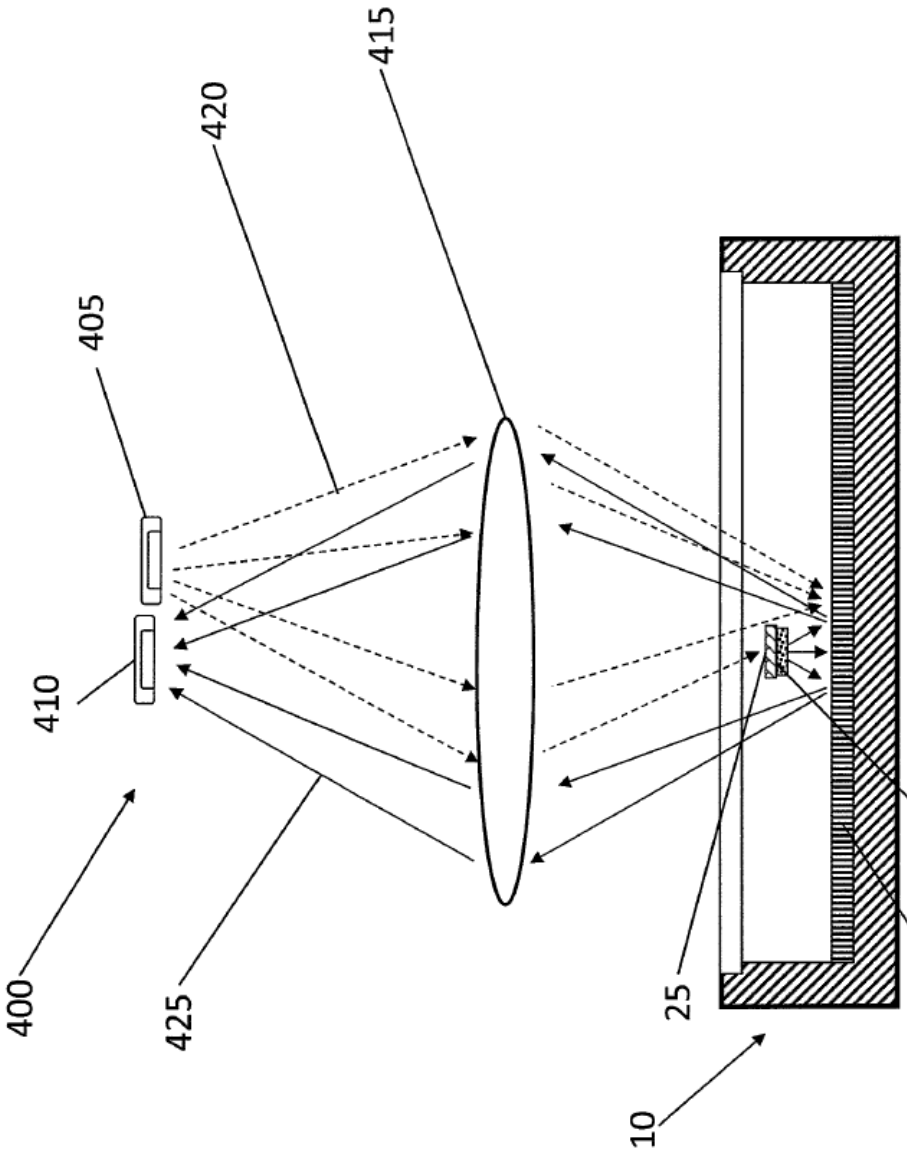


FIG. 4

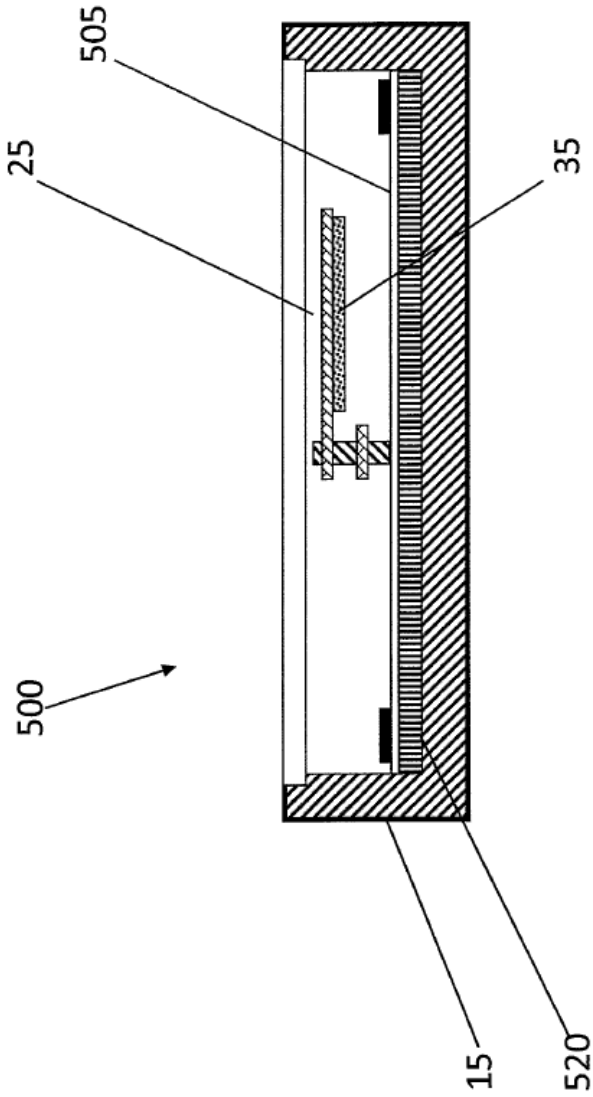


FIG. 5

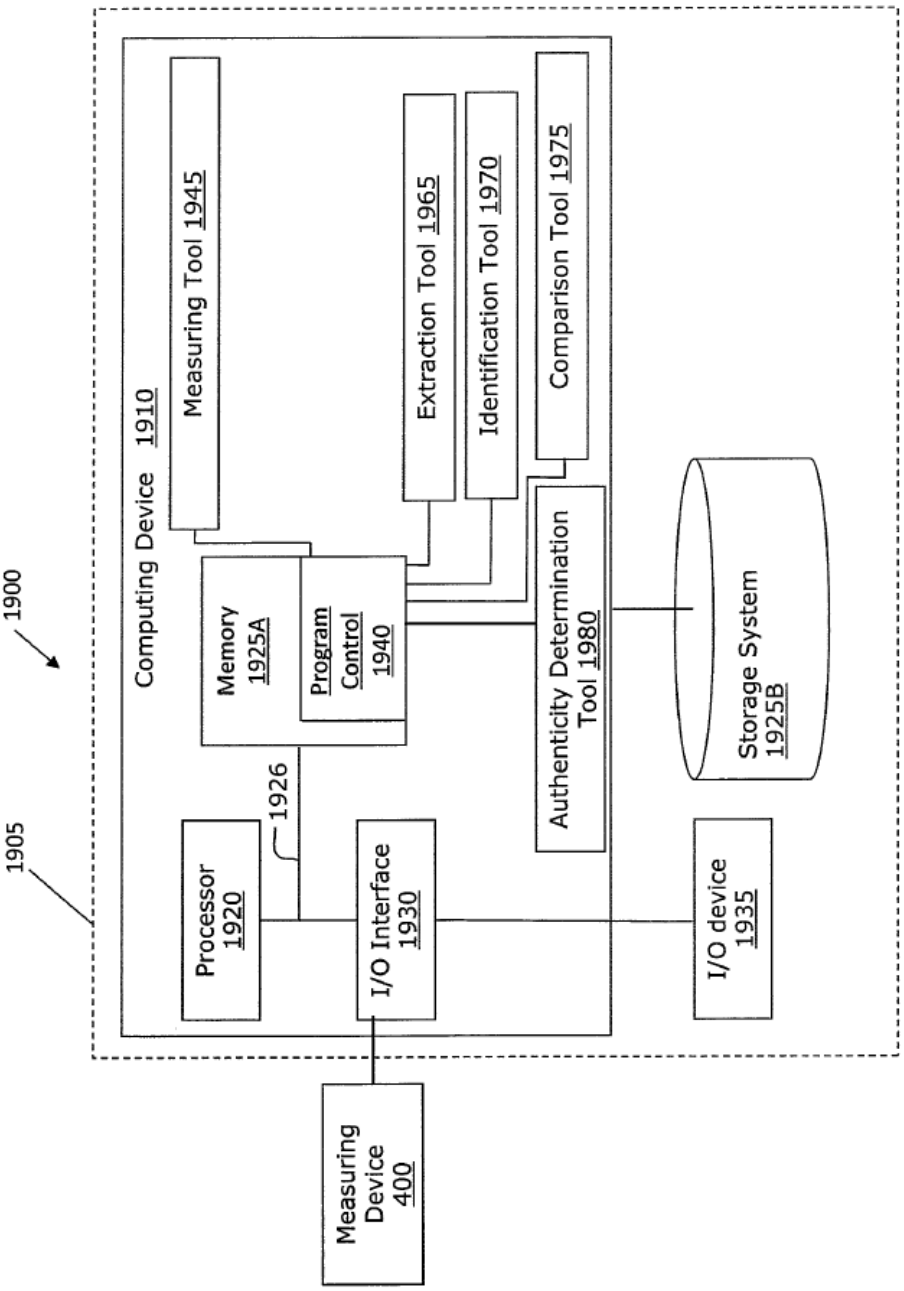

1900
1905
Computing Device 1910
Measuring Tool 1945
Extraction Tool 1965
Identification Tool 1970
Comparison Tool 1975
Memory 1925A
Program Control 1940
1926
Authenticity Determination Tool 1980
Storage System 1925B
Processor 1920
I/O Interface 1930
I/O device 1935
Measuring Device 400

FIG. 6

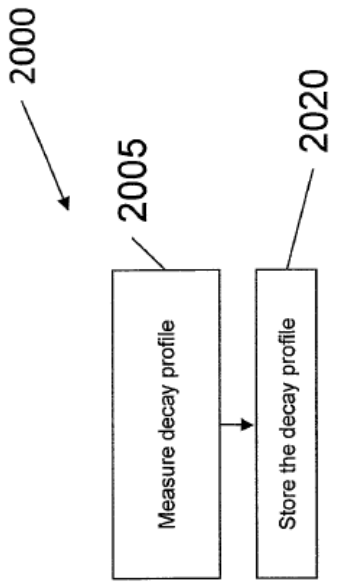

2000
2005
2020
Measure decay profile
Store the decay profile

FIG. 7

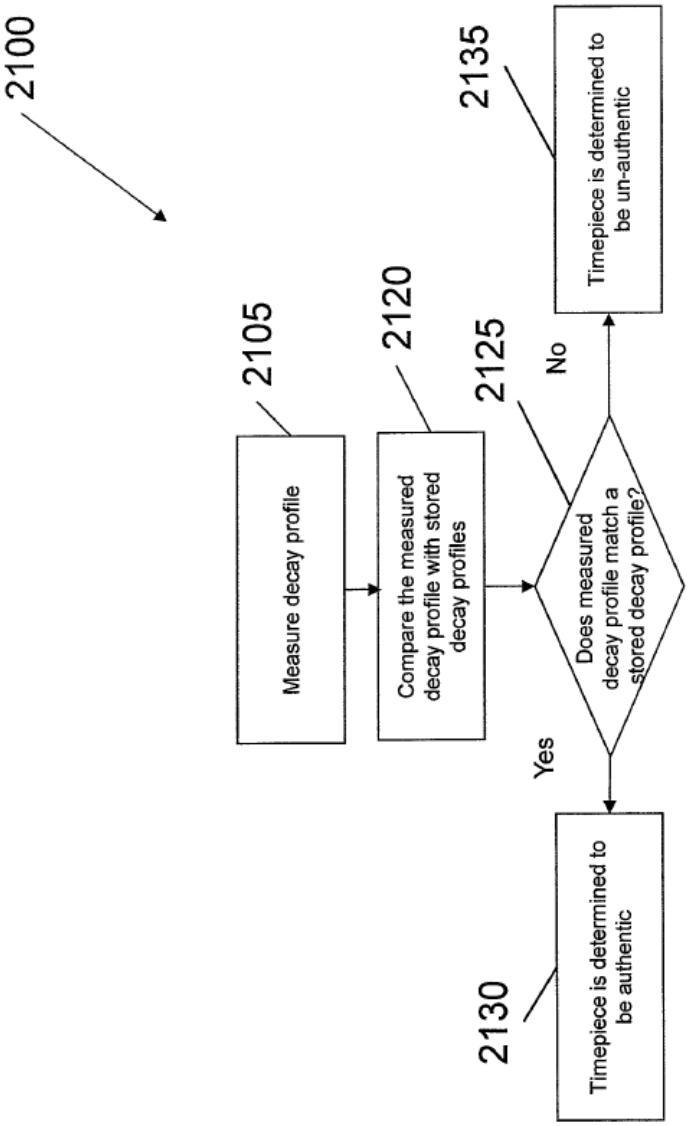

2100
2105
Measure decay profile
2120
Compare the measured decay profile with stored decay profiles
2125
Does measured decay profile match a stored decay profile?
Yes
No
2130
Timepiece is determined to be authentic
2135
Timepiece is determined to be un-authentic

FIG. 8

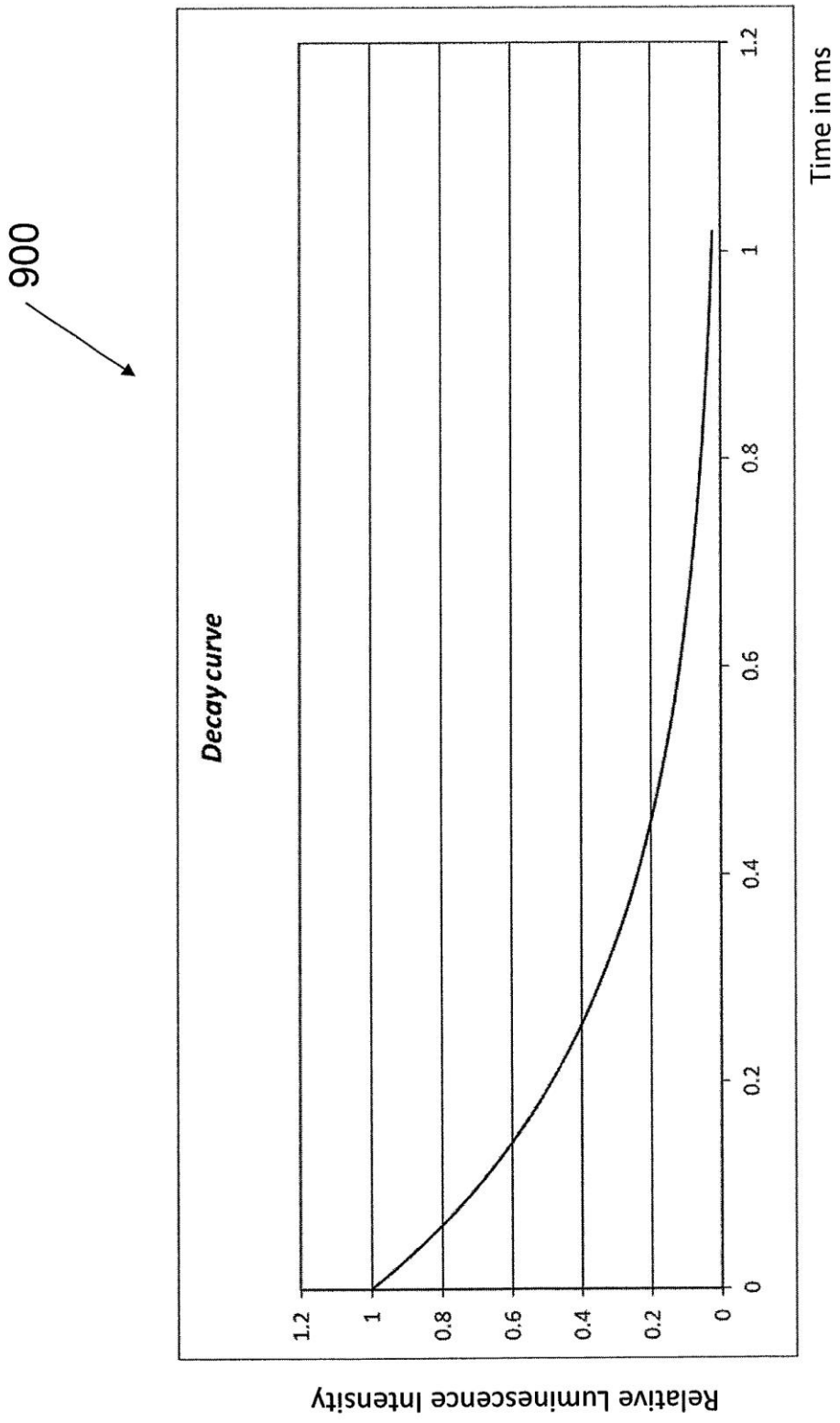

900
Decay curve
Relative Luminescence Intensity
Time in ms
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2

FIG. 9