

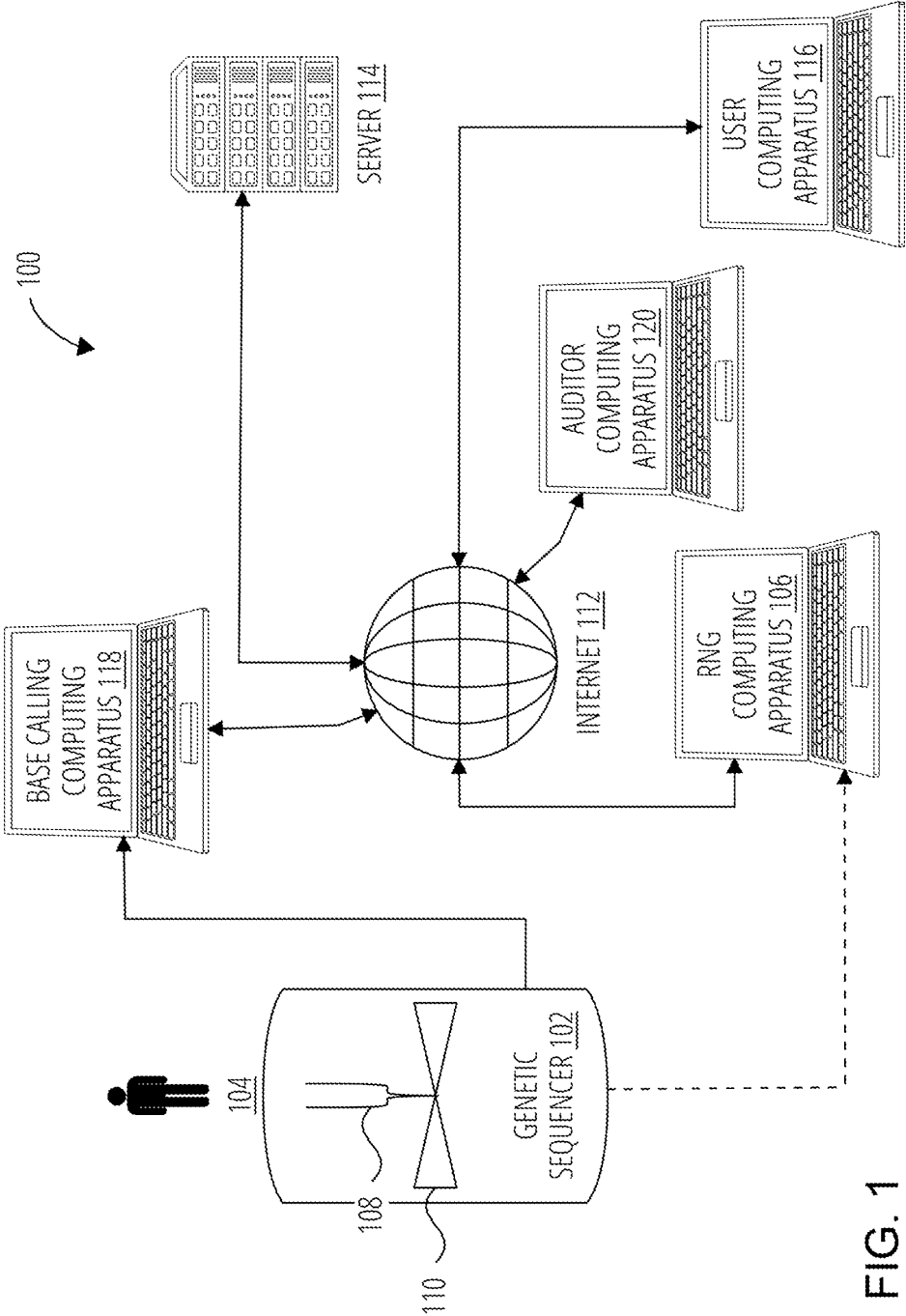


FIG. 1

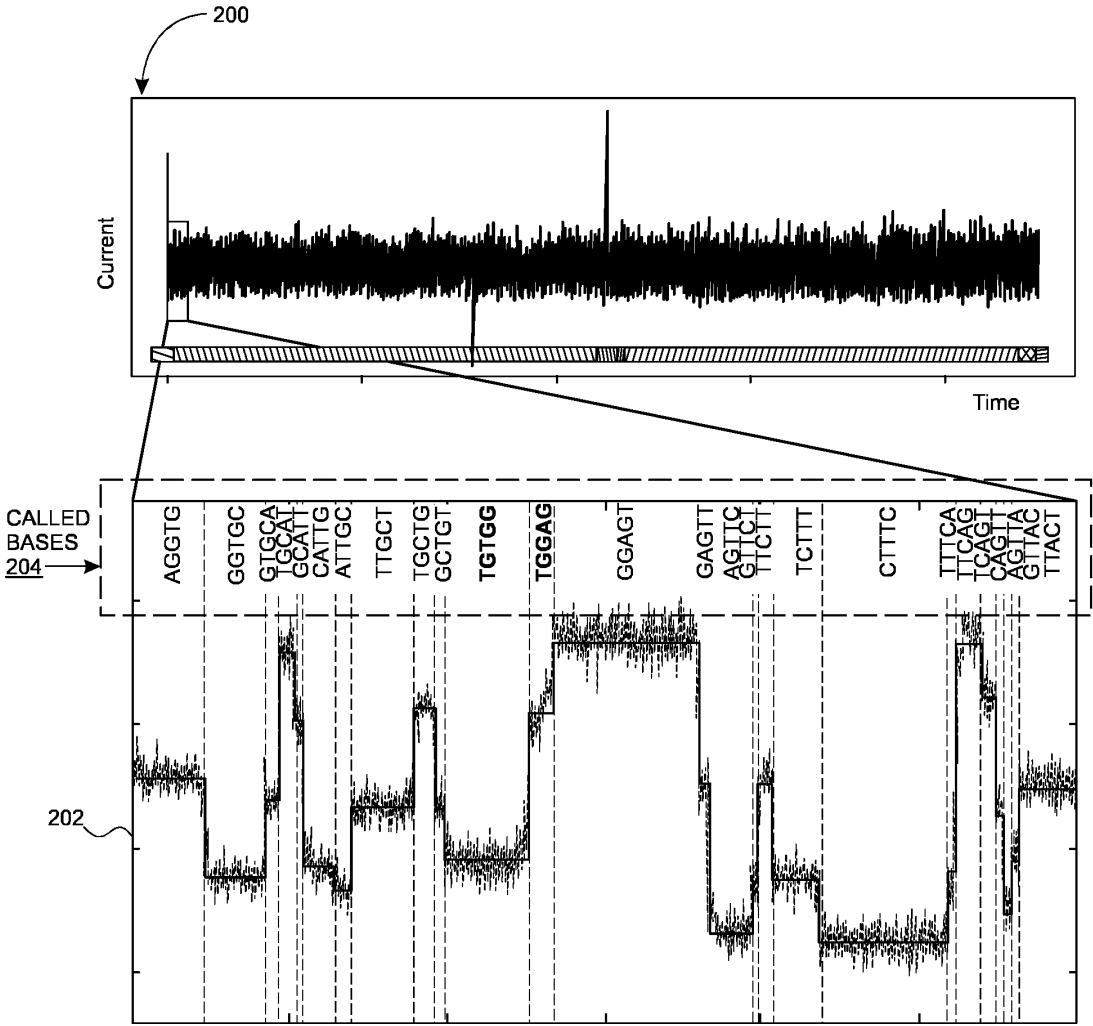


FIG. 2

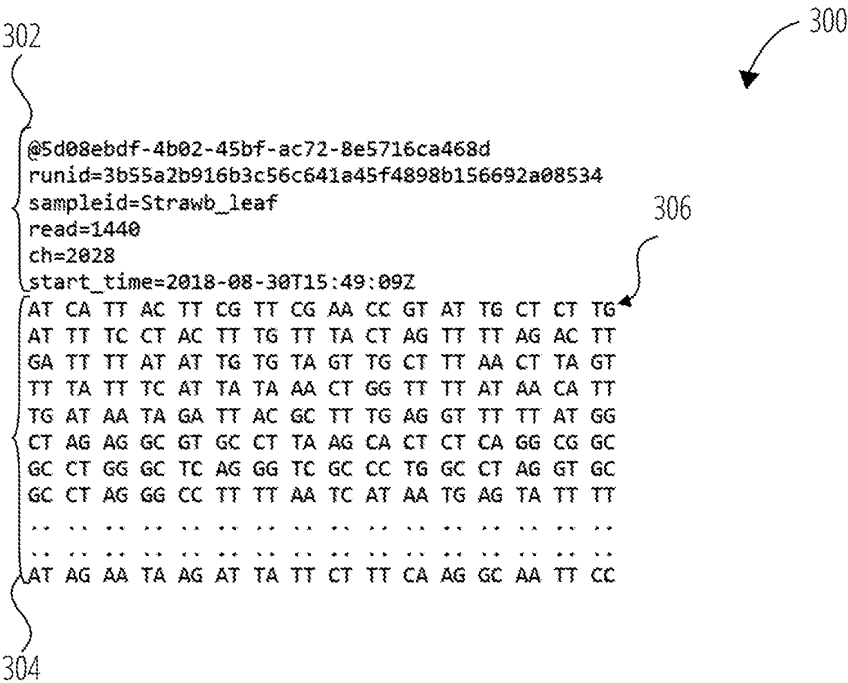


FIG. 3

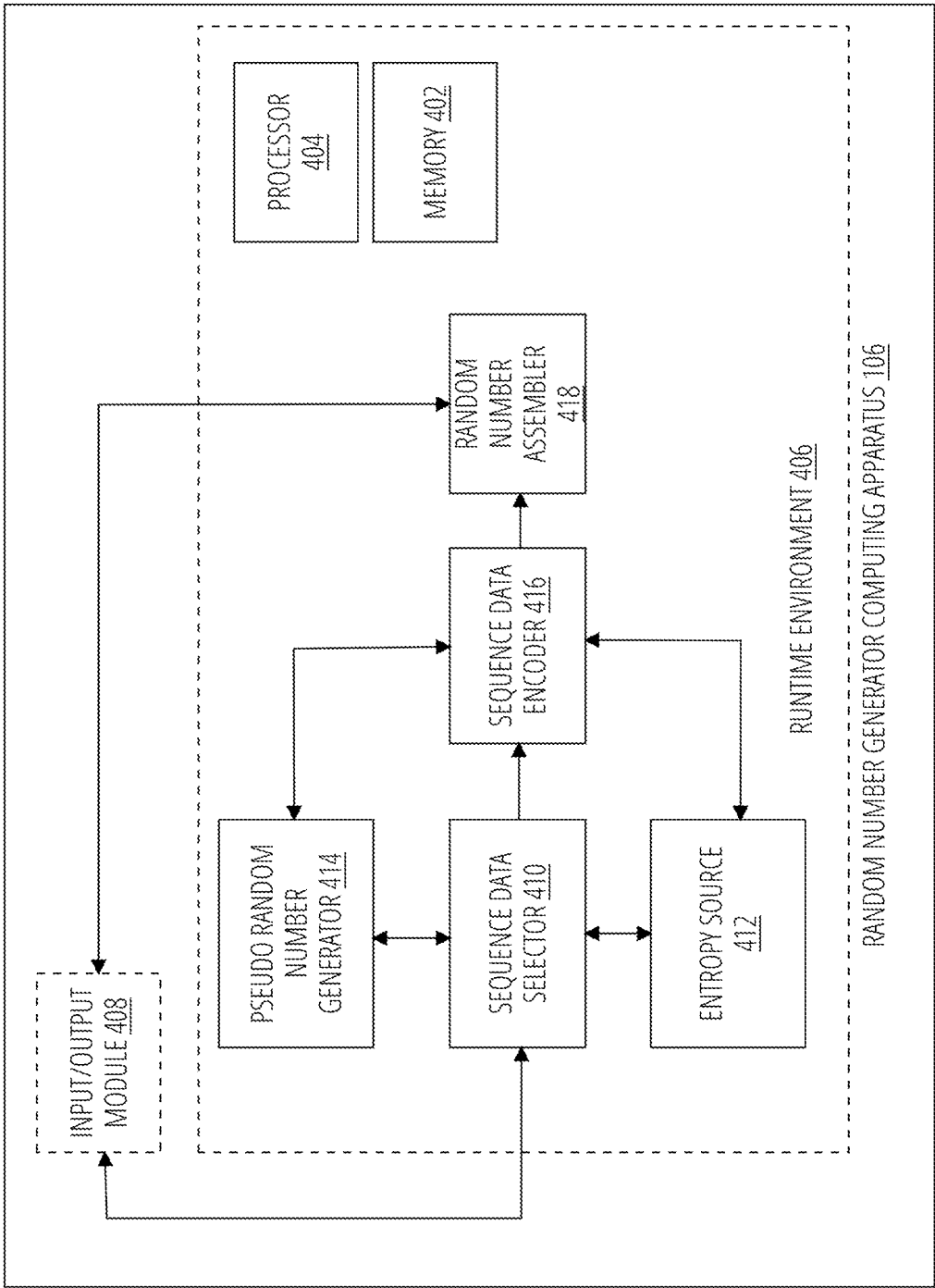


FIG. 4

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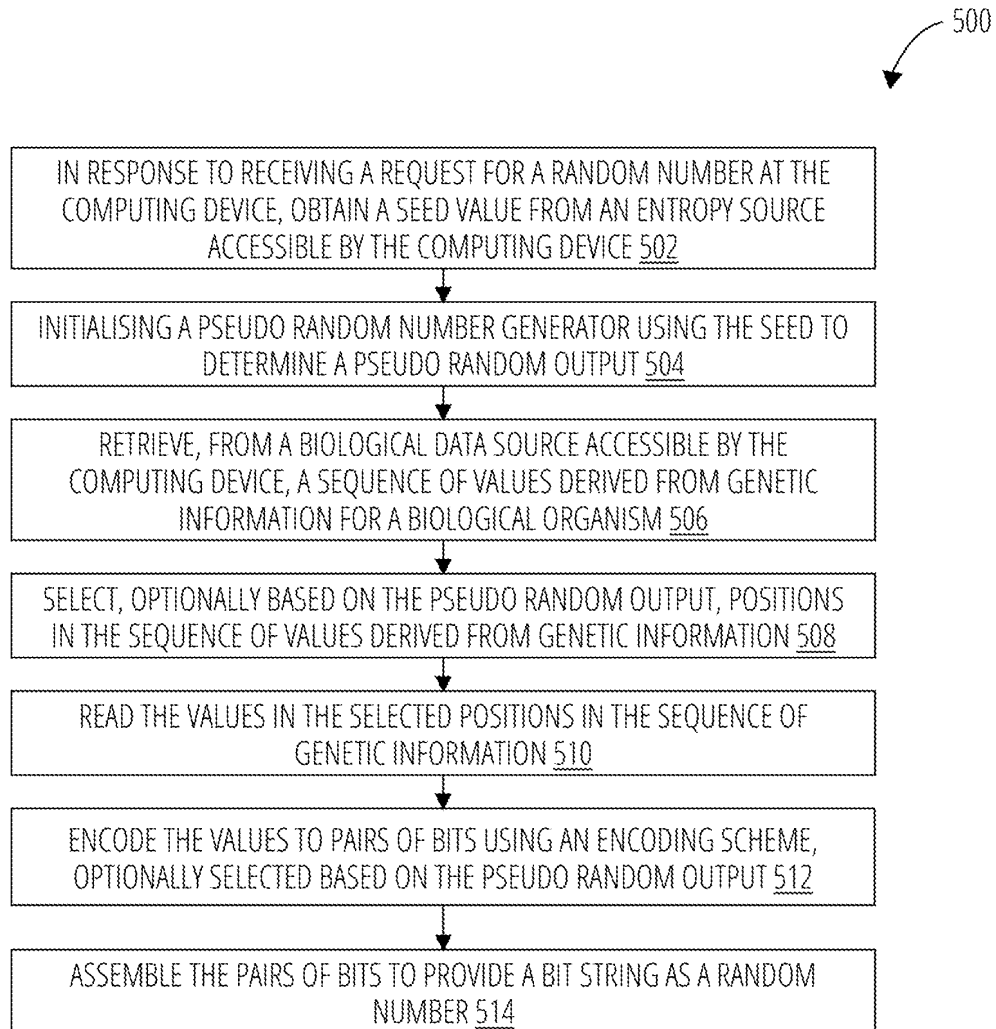


FIG. 5

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```
import random
import time

time_ns = time.perf_counter_ns()
print("Seed (performance counter) =", time_ns)
max_base_number = 127

random.seed(time_ns)
print("Base selection 1 = ", int(random.uniform(0, max_base_number)))
print("Base selection 2 = ", int(random.uniform(0, max_base_number)))
print("Base selection 3 = ", int(random.uniform(0, max_base_number)))
print("Base selection 4 = ", int(random.uniform(0, max_base_number)))
print("Base selection 5 = ", int(random.uniform(0, max_base_number)))
print("Base selection 6 = ", int(random.uniform(0, max_base_number)))
print("Base selection 7 = ", int(random.uniform(0, max_base_number)))
print("Base selection 8 = ", int(random.uniform(0, max_base_number)))
print("Base selection 9 = ", int(random.uniform(0, max_base_number)))
print("Base selection 10 = ", int(random.uniform(0, max_base_number)))
print("Base selection 11 = ", int(random.uniform(0, max_base_number)))
print("Base selection 12 = ", int(random.uniform(0, max_base_number)))
print("Base selection 13 = ", int(random.uniform(0, max_base_number)))
print("Base selection 14 = ", int(random.uniform(0, max_base_number)))
print("Base selection 15 = ", int(random.uniform(0, max_base_number)))
print("Base selection 16 = ", int(random.uniform(0, max_base_number)))
print("Coding scheme selection = ", int(random.uniform(0, 24)))
```

FIG. 6A

```
Seed (performance counter) = 32888750
Base selection 1 = 18
Base selection 2 = 41
Base selection 3 = 3
Base selection 4 = 25
Base selection 5 = 32
Base selection 6 = 30
Base selection 7 = 48
Base selection 8 = 103
Base selection 9 = 13
Base selection 10 = 89
Base selection 11 = 4
Base selection 12 = 99
Base selection 13 = 33
Base selection 14 = 32
Base selection 15 = 55
Base selection 16 = 45
Coding scheme selection = 11
```

FIG. 6B

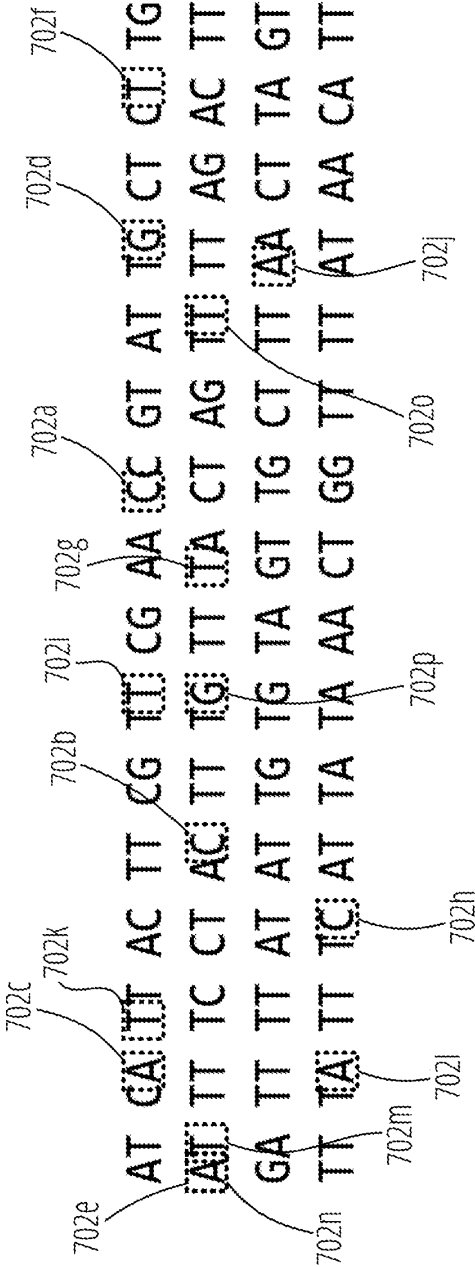
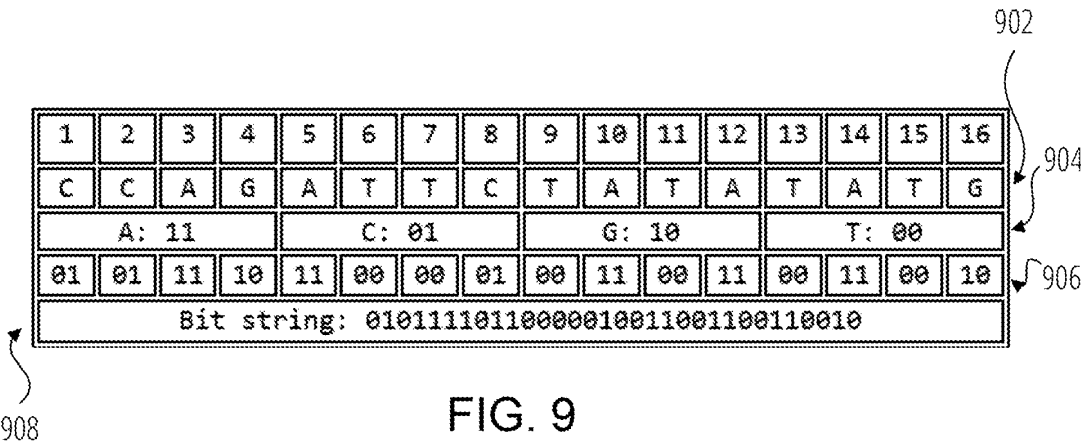


FIG. 7

#	00	01	10	11
0	A	C	G	T
1	C	A	G	T
2	G	A	C	T
3	A	G	C	T
4	C	G	A	T
5	G	C	A	T
6	G	C	T	A
7	C	G	T	A
8	T	G	C	A
9	G	T	C	A
10	C	T	G	A
11	T	C	G	A
12	T	A	G	C
13	A	T	G	C
14	G	T	A	C
15	T	G	A	C

FIG. 8



```
@5d08ebdf-4b02-45bf-ac72-8e5716ca468d

Seed (performance counter) = 32888750
Base selection 1 = 18
Base selection 2 = 41
Base selection 3 = 3
Base selection 4 = 25
Base selection 5 = 32
Base selection 6 = 30
Base selection 7 = 48
Base selection 8 = 103
Base selection 9 = 13
Base selection 10 = 89
Base selection 11 = 4
Base selection 12 = 99
Base selection 13 = 33
Base selection 14 = 32
Base selection 15 = 55
Base selection 16 = 45
Coding scheme selection = 11

Random Number: 01011110110000010011001100110010
```

FIG. 10

```
import hashlib
m = hashlib.sha256()
m.update("01011110110000010011001100110010".encode('utf-8'))
m.update("32888750".encode('utf-8'))
print("Hashed random number = ", m.hexdigest())
```

FIG. 11A

@5d08ebdf-4b02-45bf-ac72-8e5716ca468d
Seed (performance counter) = 32888750
Hashed random number =
2809d5d03d1ff393ef3851182d9e4fe93017c6242327d3682ee48888b4aca7c9

FIG. 11B

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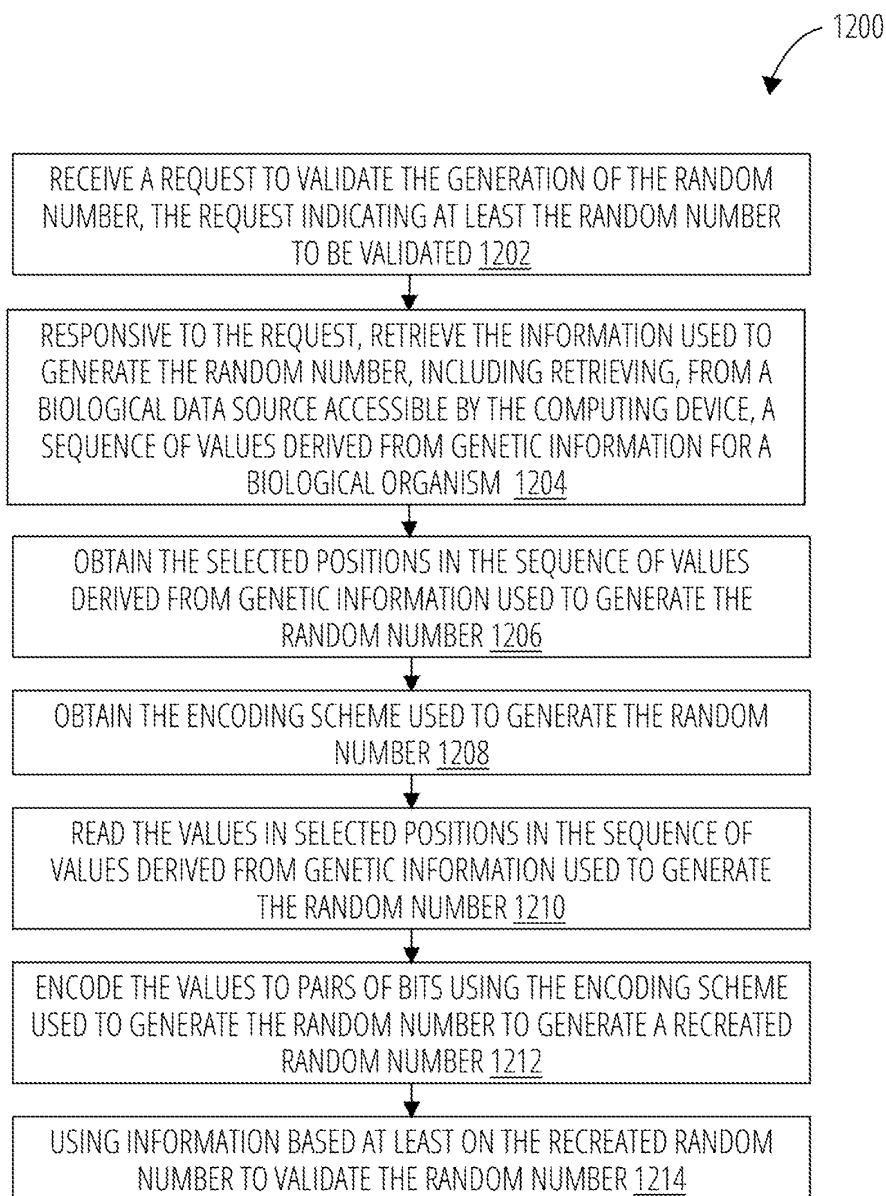


FIG. 12