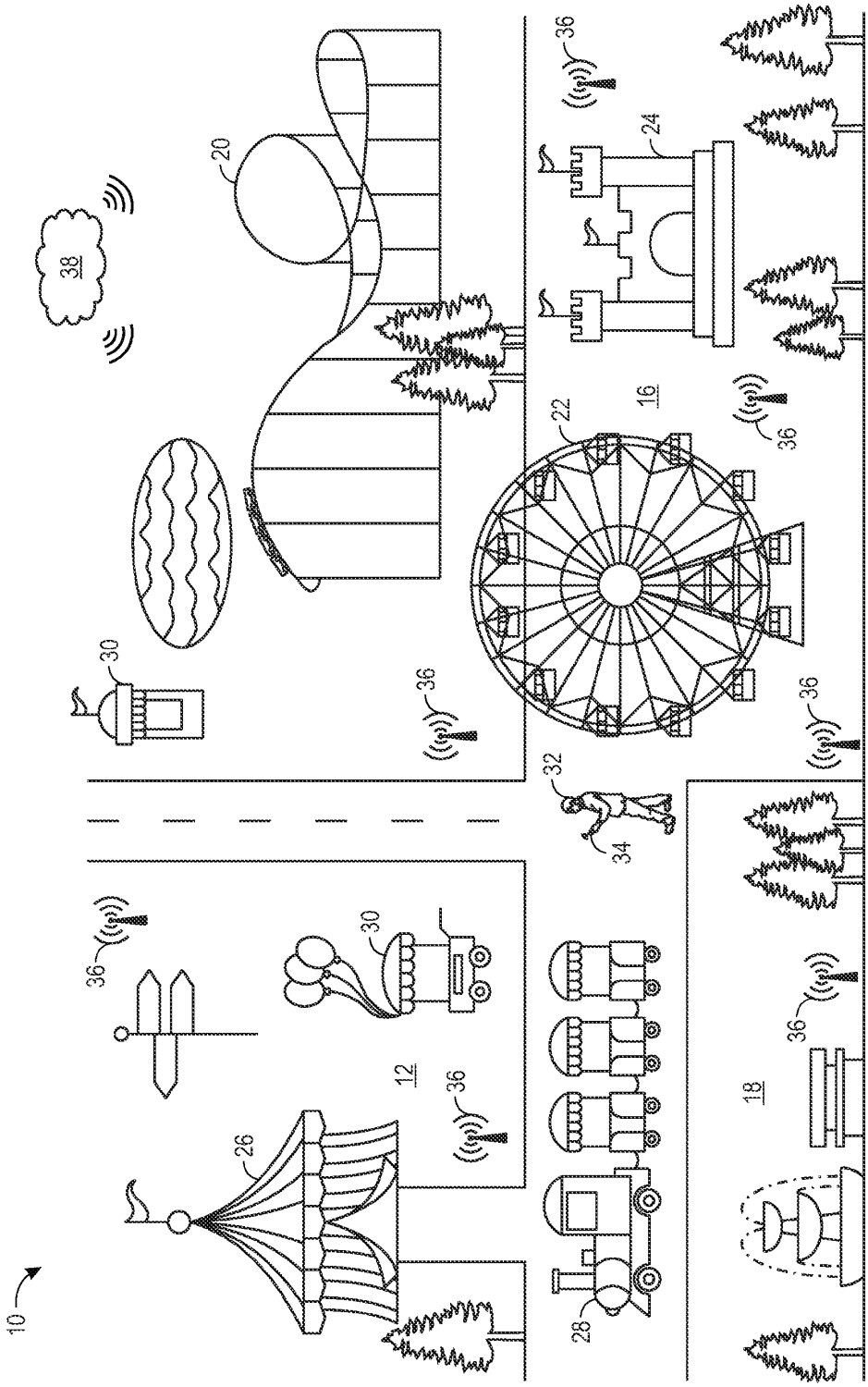


FIG. 1

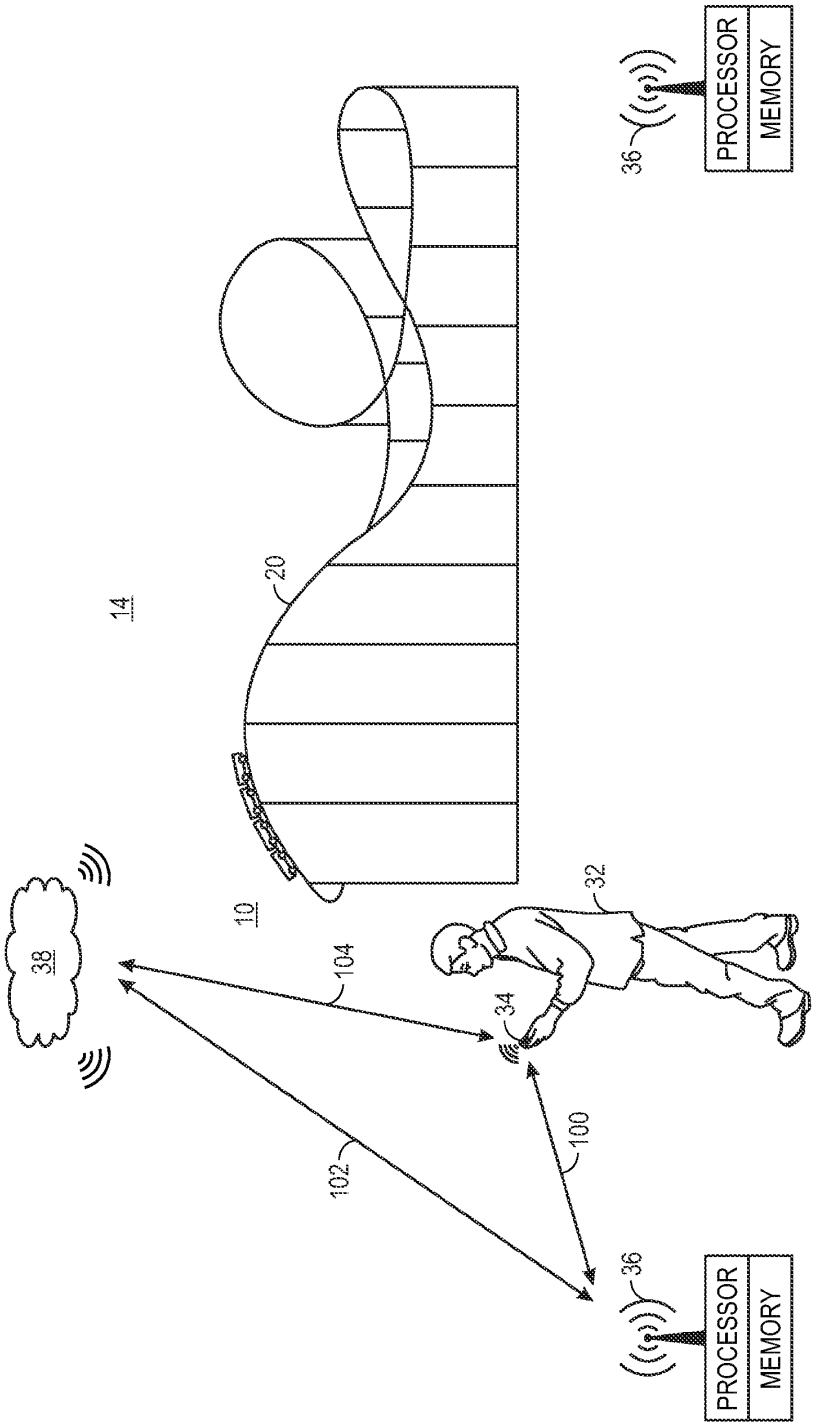

PROCESSOR
MEMORY
36
14
20
10
38
104
32
34
100
102
PROCESSOR
MEMORY
36

FIG. 2

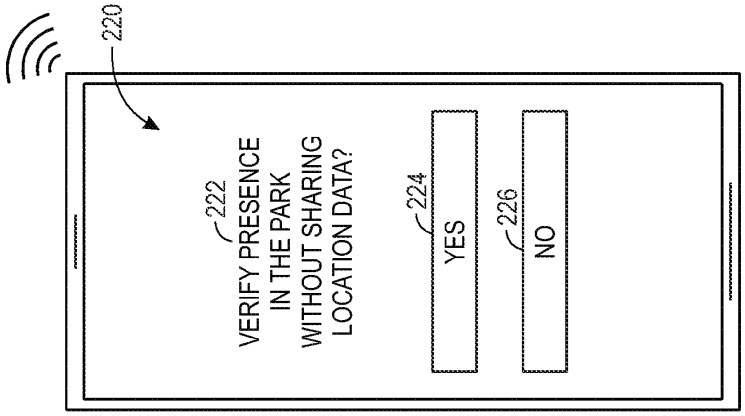


FIG. 3C

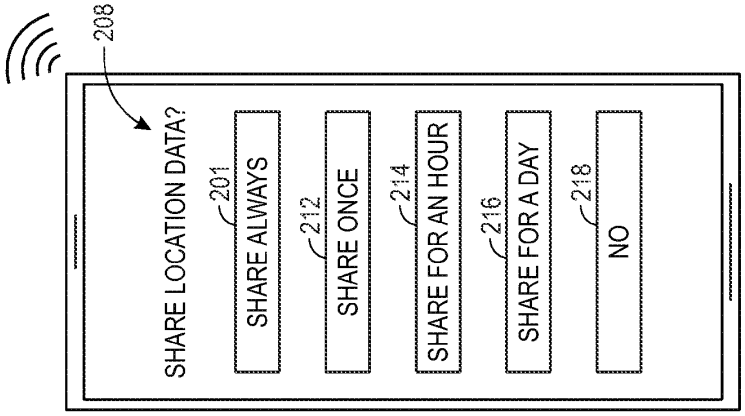


FIG. 3B

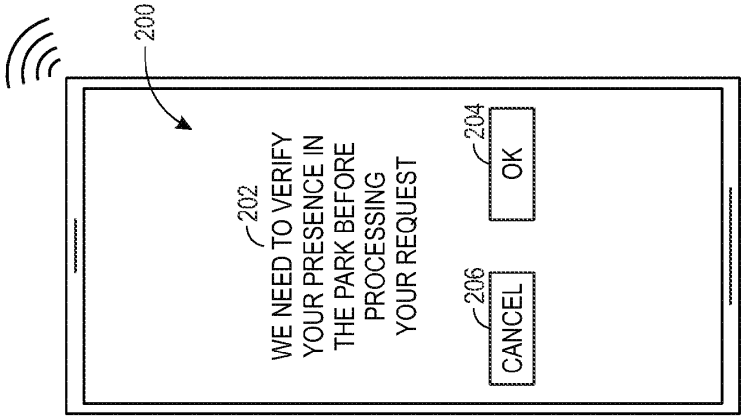


FIG. 3A

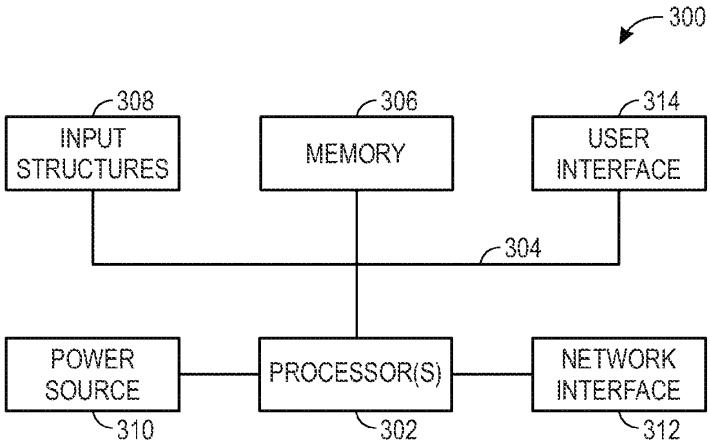

300
308
INPUT STRUCTURES
306
MEMORY
314
USER INTERFACE
304
POWER SOURCE
310
PROCESSOR(S)
302
NETWORK INTERFACE
312

FIG. 4

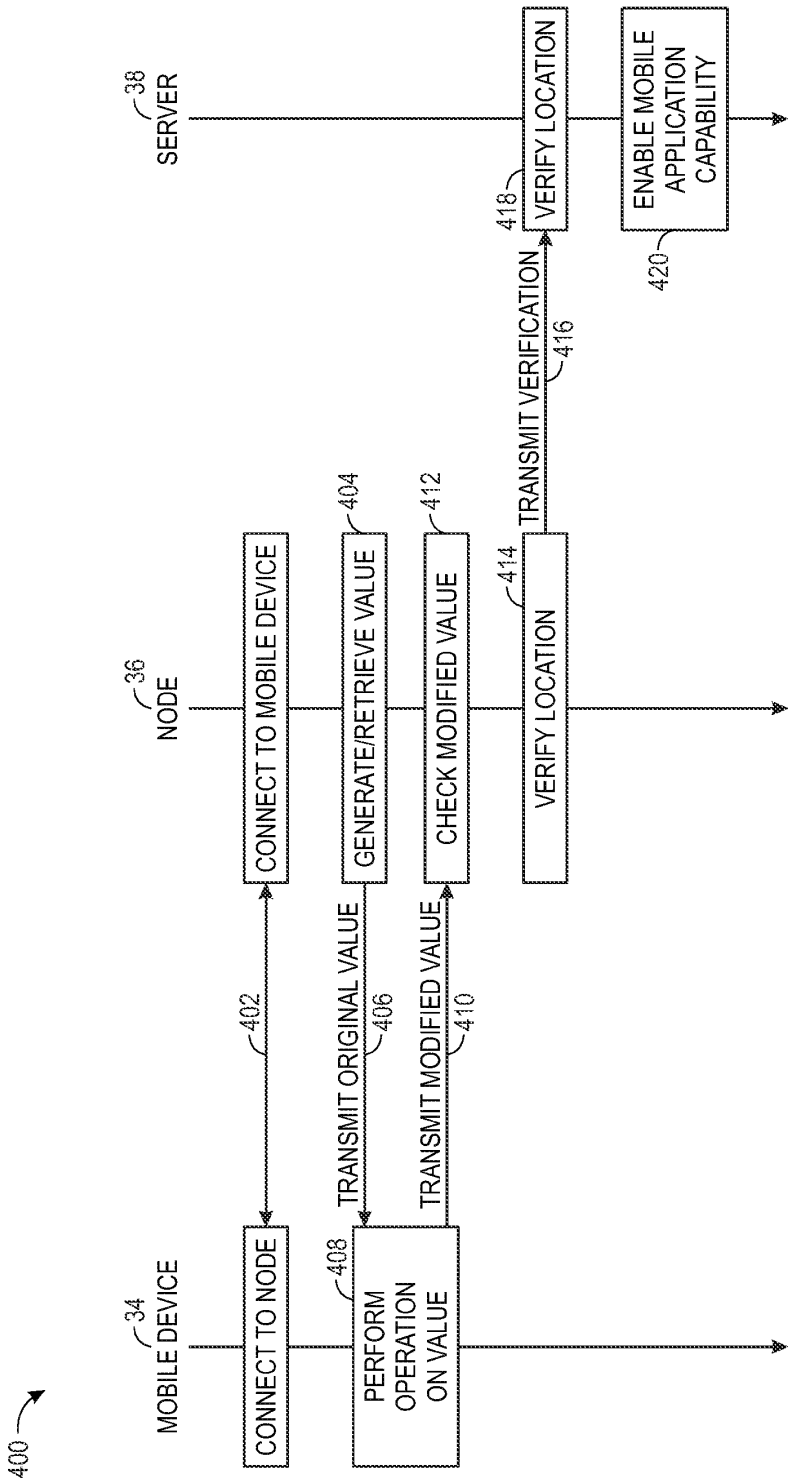

400
MOBILE DEVICE
34
NODE
36
SERVER
38
CONNECT TO NODE
402
CONNECT TO MOBILE DEVICE
GENERATE/RETRIEVE VALUE
404
TRANSMIT ORIGINAL VALUE
406
PERFORM OPERATION ON VALUE
408
CHECK MODIFIED VALUE
412
TRANSMIT MODIFIED VALUE
410
VERIFY LOCATION
414
TRANSMIT VERIFICATION
416
VERIFY LOCATION
418
ENABLE MOBILE APPLICATION CAPABILITY
420

FIG. 5

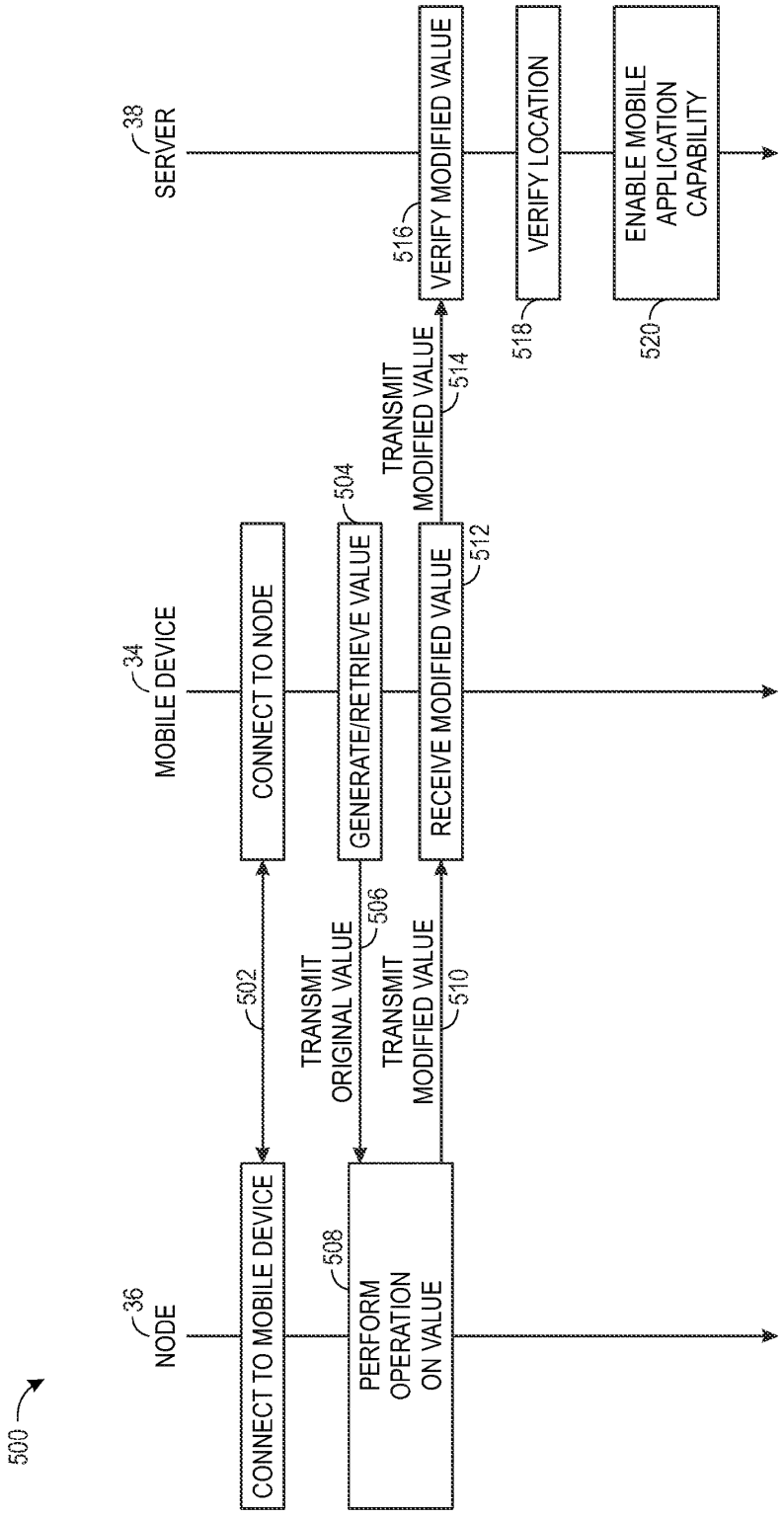

500
NODE
36
MOBILE DEVICE
34
SERVER
38
CONNECT TO MOBILE DEVICE
CONNECT TO NODE
PERFORM OPERATION ON VALUE
GENERATE/RETRIEVE VALUE
RECEIVE MODIFIED VALUE
VERIFY MODIFIED VALUE
VERIFY LOCATION
ENABLE MOBILE APPLICATION CAPABILITY
502
504
506
508
510
512
514
516
518
520
TRANSMIT ORIGINAL VALUE
TRANSMIT MODIFIED VALUE
TRANSMIT MODIFIED VALUE

FIG. 6