FIG. 1

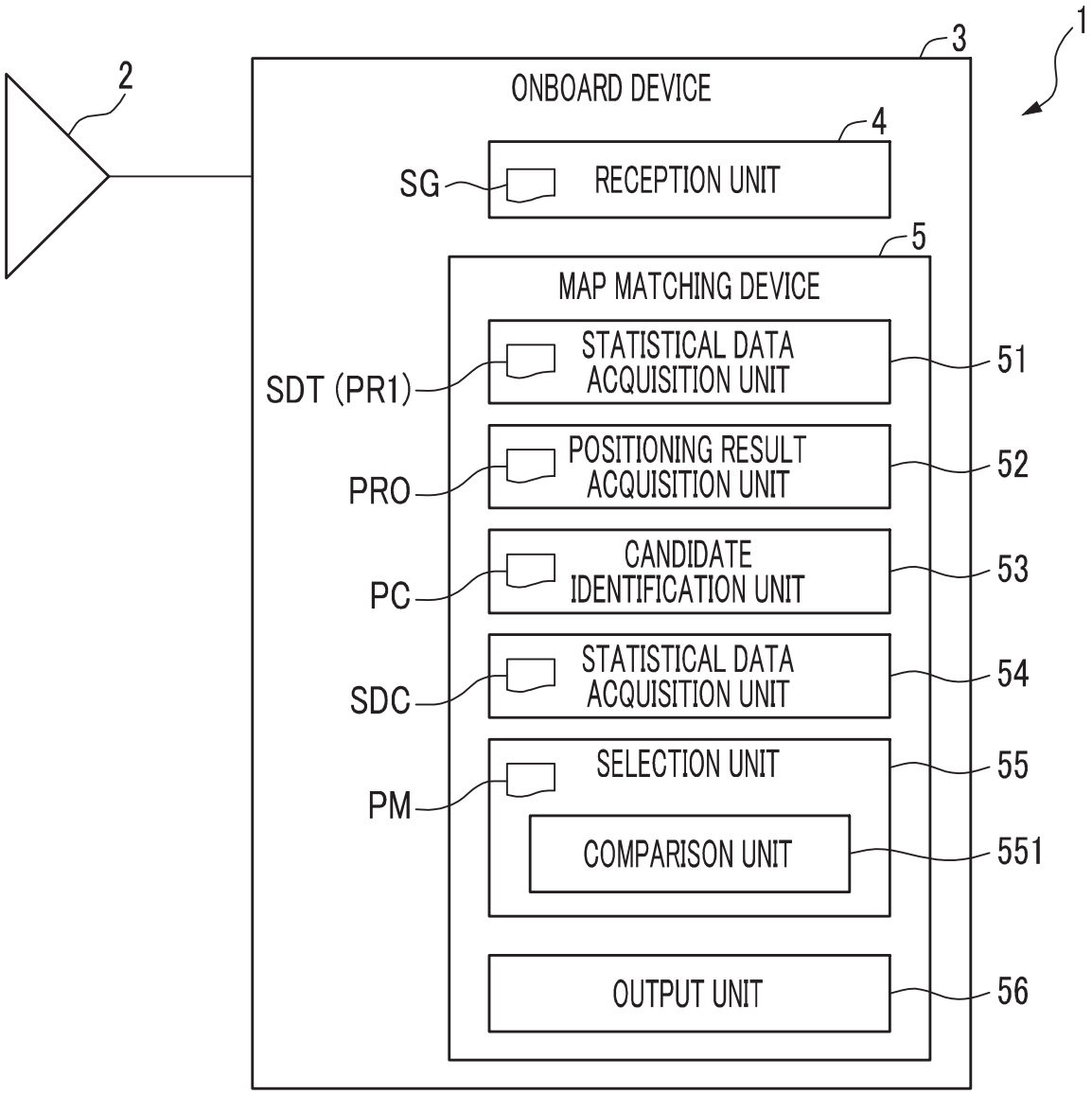

1
2
3
ONBOARD DEVICE
4
SG
RECEPTION UNIT
5
MAP MATCHING DEVICE
SDT (PR1)
STATISTICAL DATA ACQUISITION UNIT
51
PRO
POSITIONING RESULT ACQUISITION UNIT
52
PC
CANDIDATE IDENTIFICATION UNIT
53
SDC
STATISTICAL DATA ACQUISITION UNIT
54
PM
SELECTION UNIT
55
COMPARISON UNIT
551
OUTPUT UNIT
56

FIG. 2

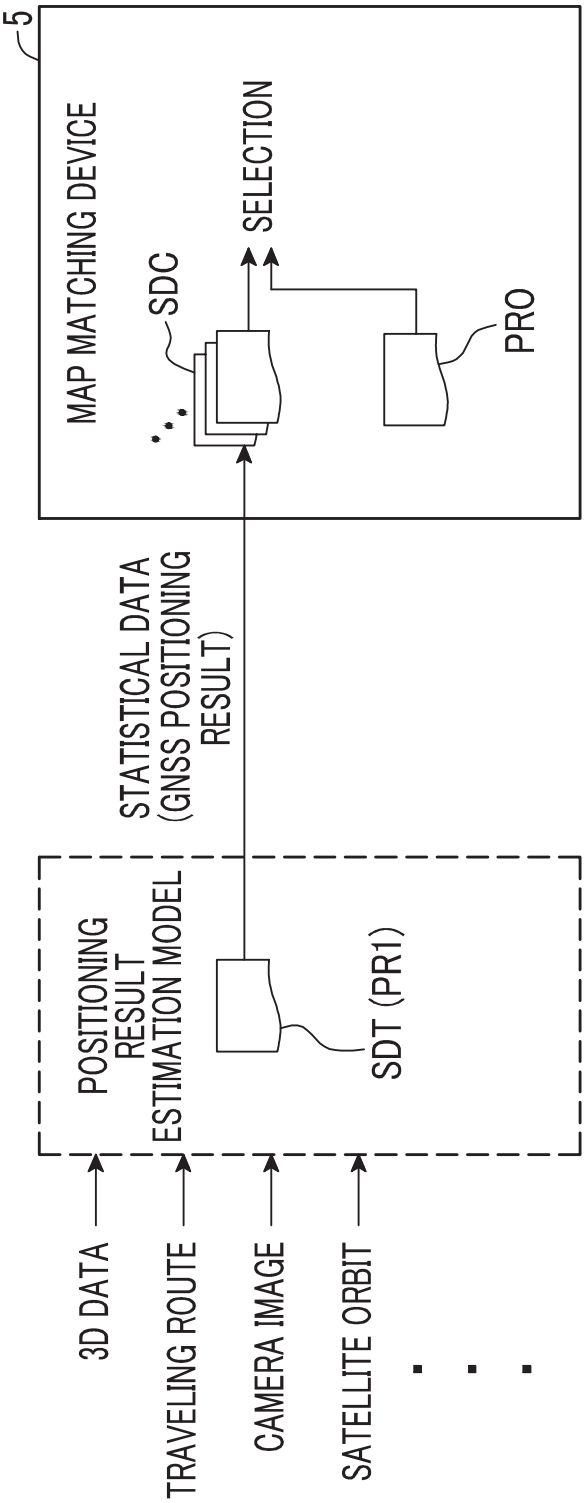

5
MAP MATCHING DEVICE
SDC
SELECTION
PRO
STATISTICAL DATA
(GNSS POSITIONING
RESULT)
POSITIONING
RESULT
ESTIMATION MODEL
SDT (PR1)
3D DATA
TRAVELING ROUTE
CAMERA IMAGE
SATELLITE ORBIT

FIG. 3

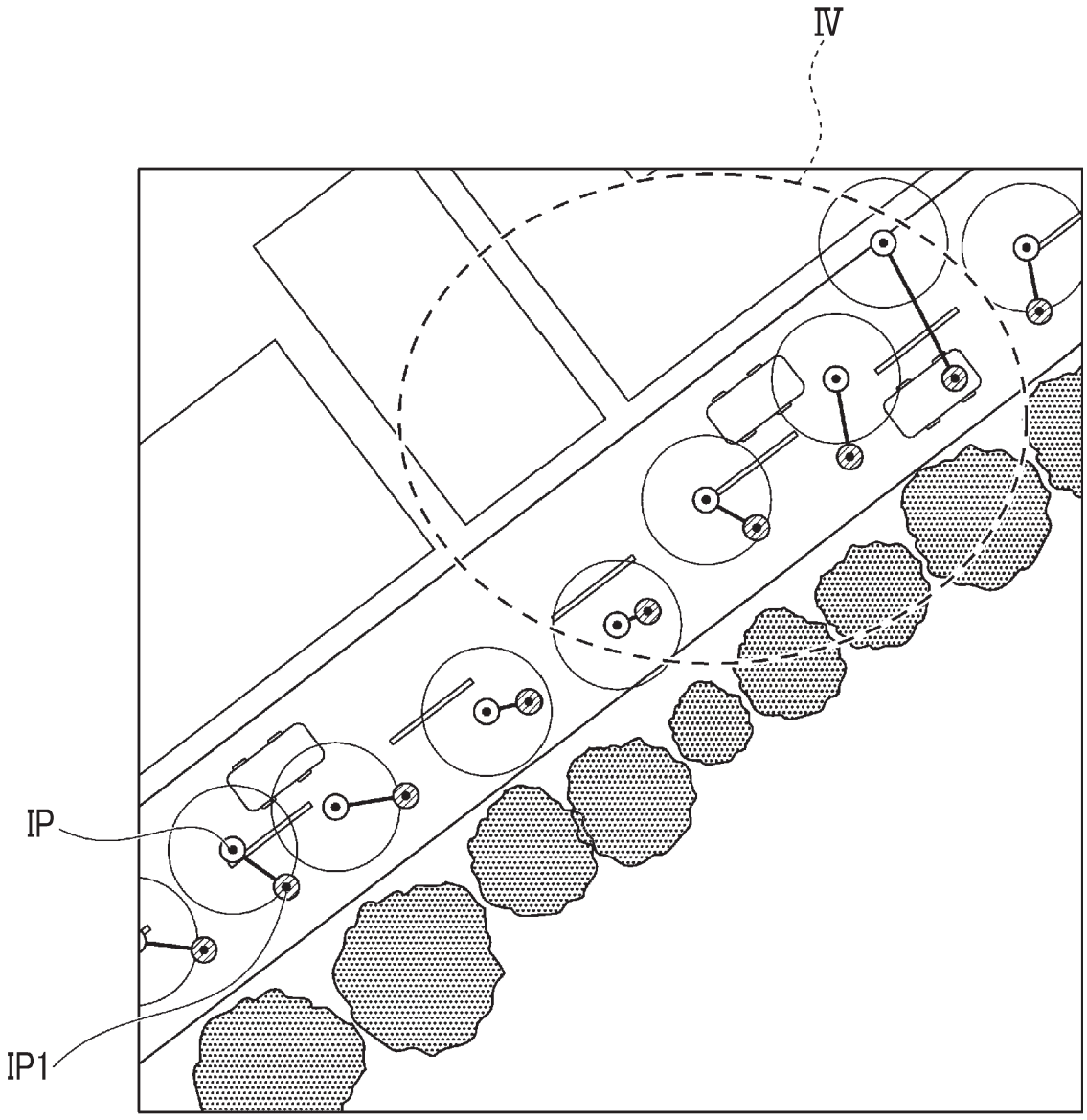


FIG. 4

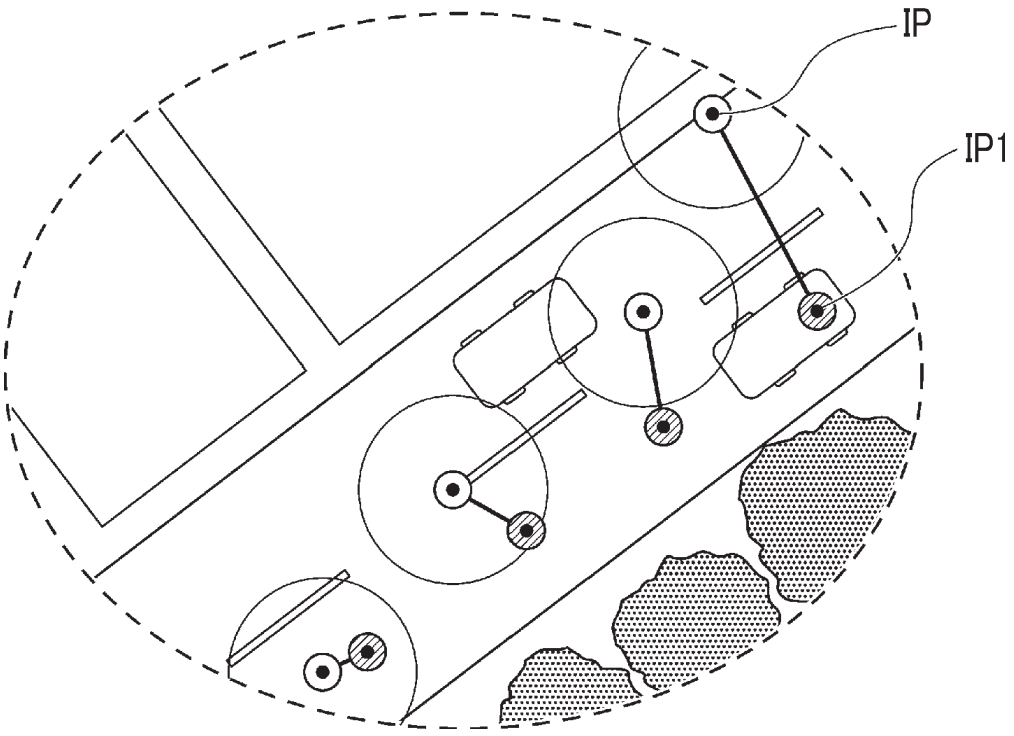


FIG. 5

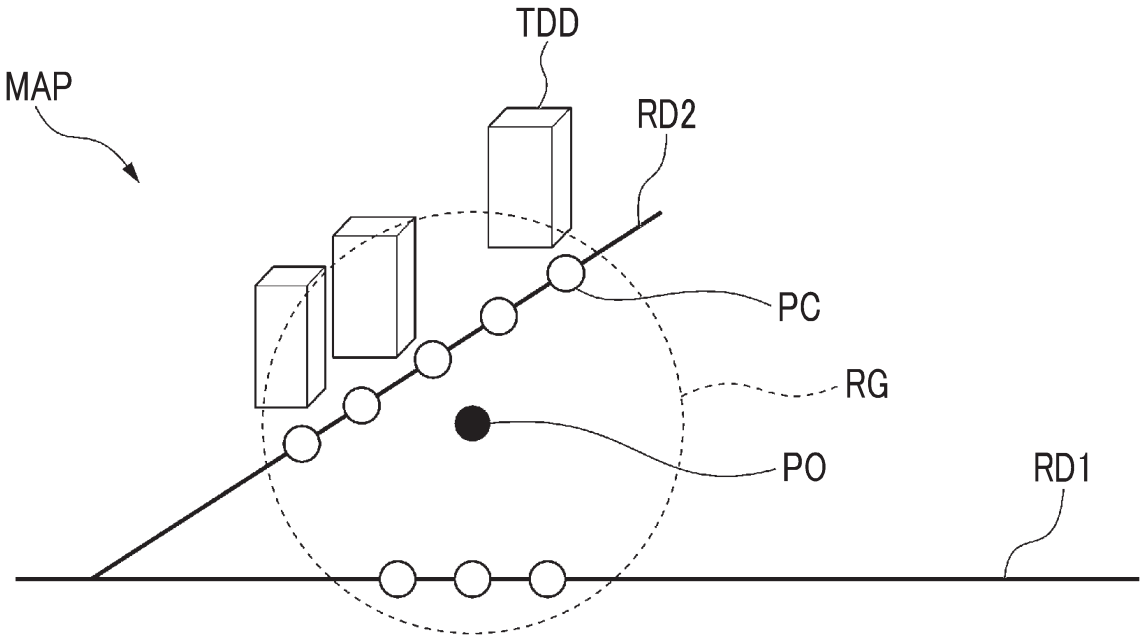


FIG. 6

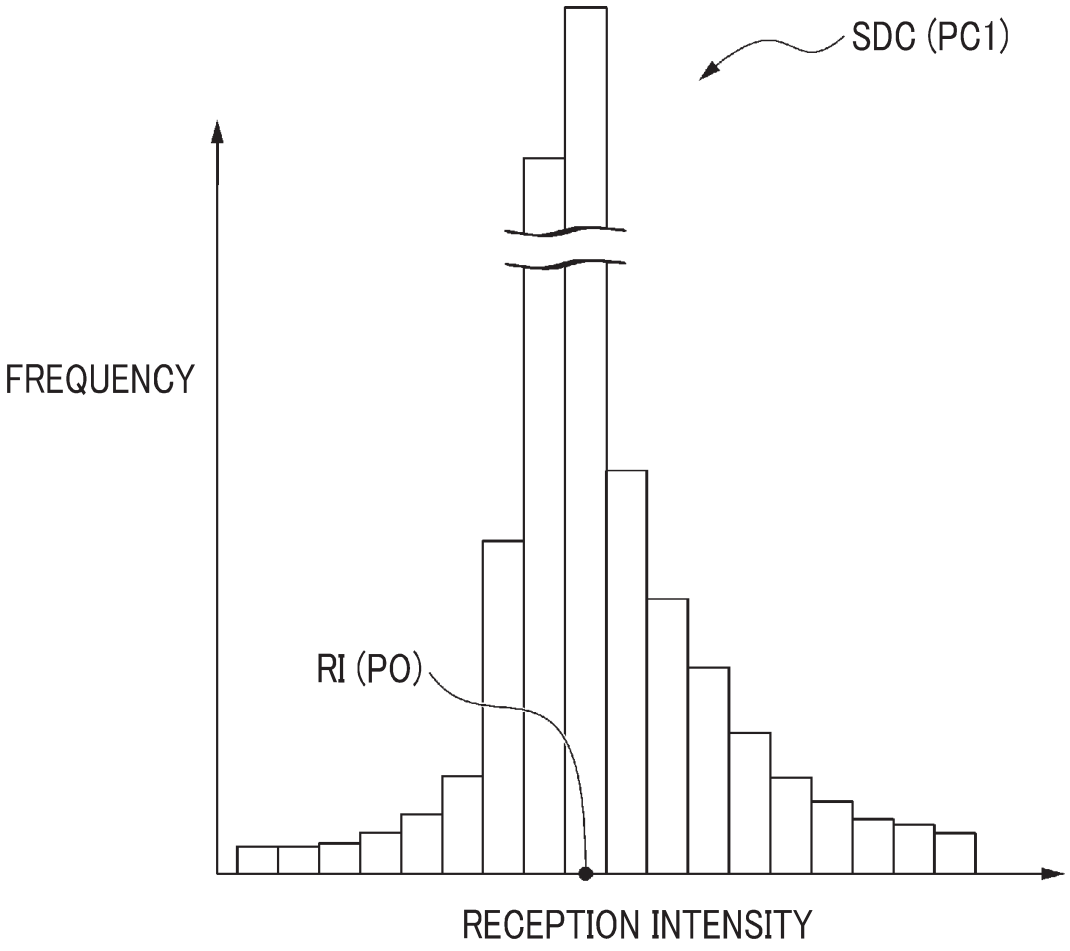


FIG. 7

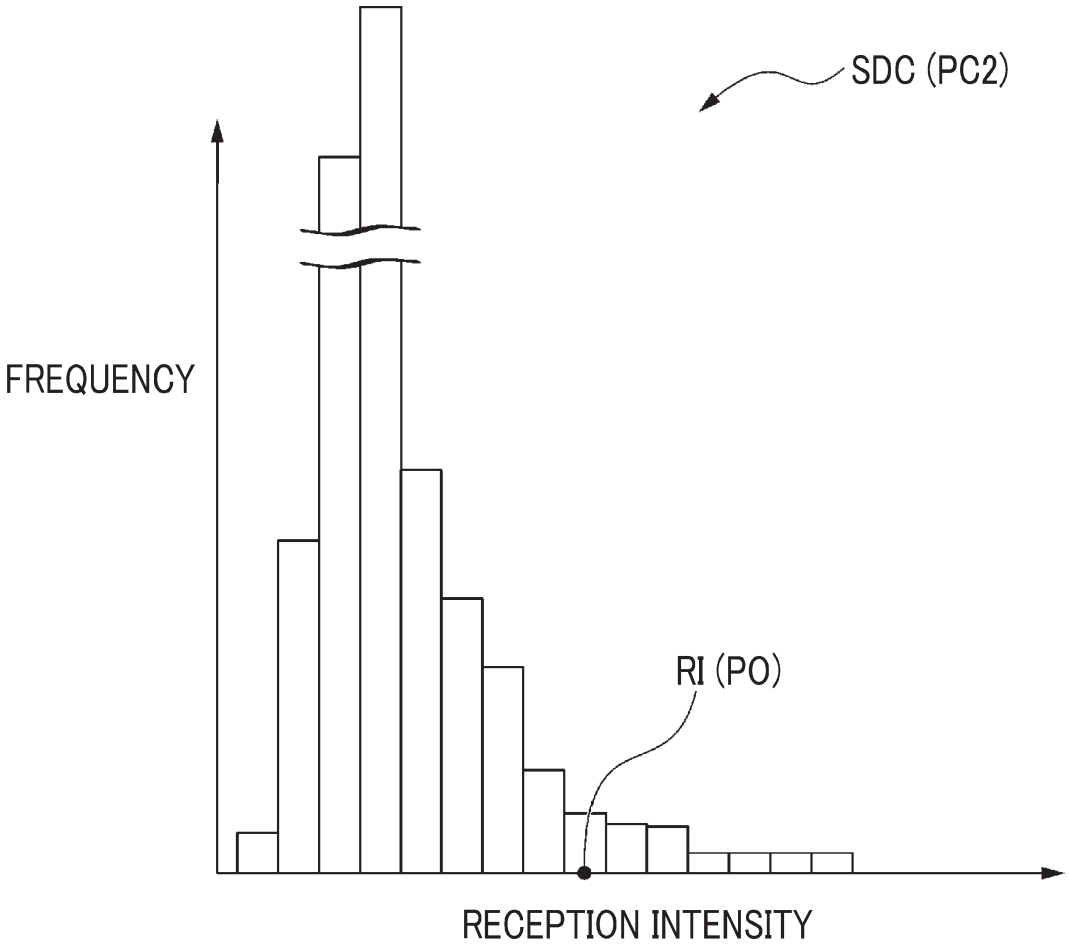


FIG. 8

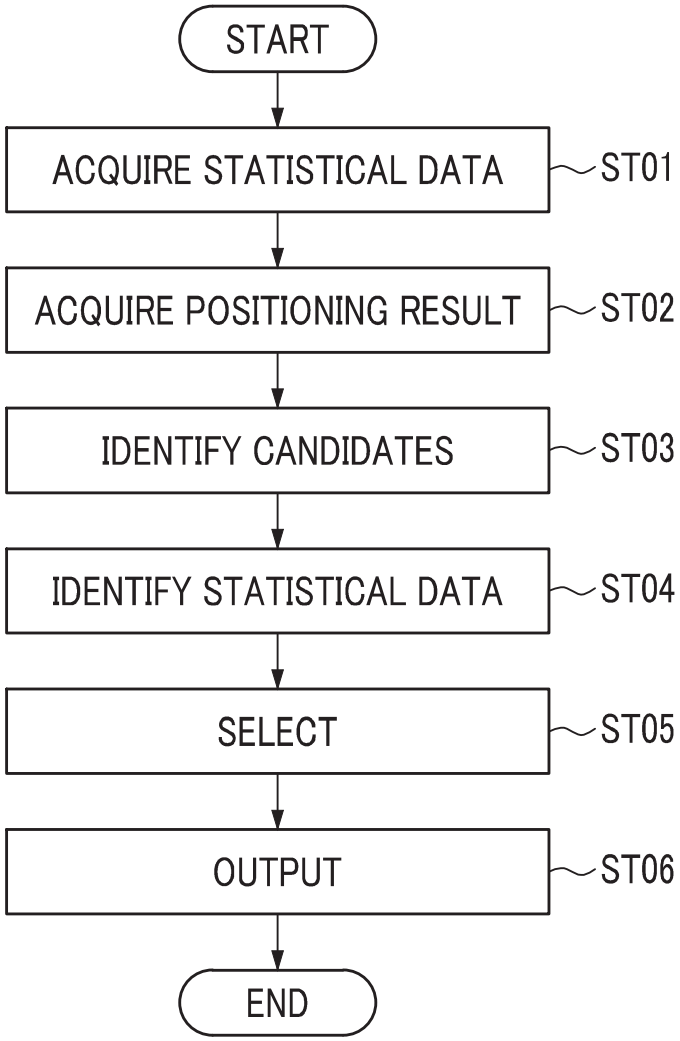

START
ACQUIRE STATISTICAL DATA
ST01
ACQUIRE POSITIONING RESULT
ST02
IDENTIFY CANDIDATES
ST03
IDENTIFY STATISTICAL DATA
ST04
SELECT
ST05
OUTPUT
ST06
END

FIG. 9

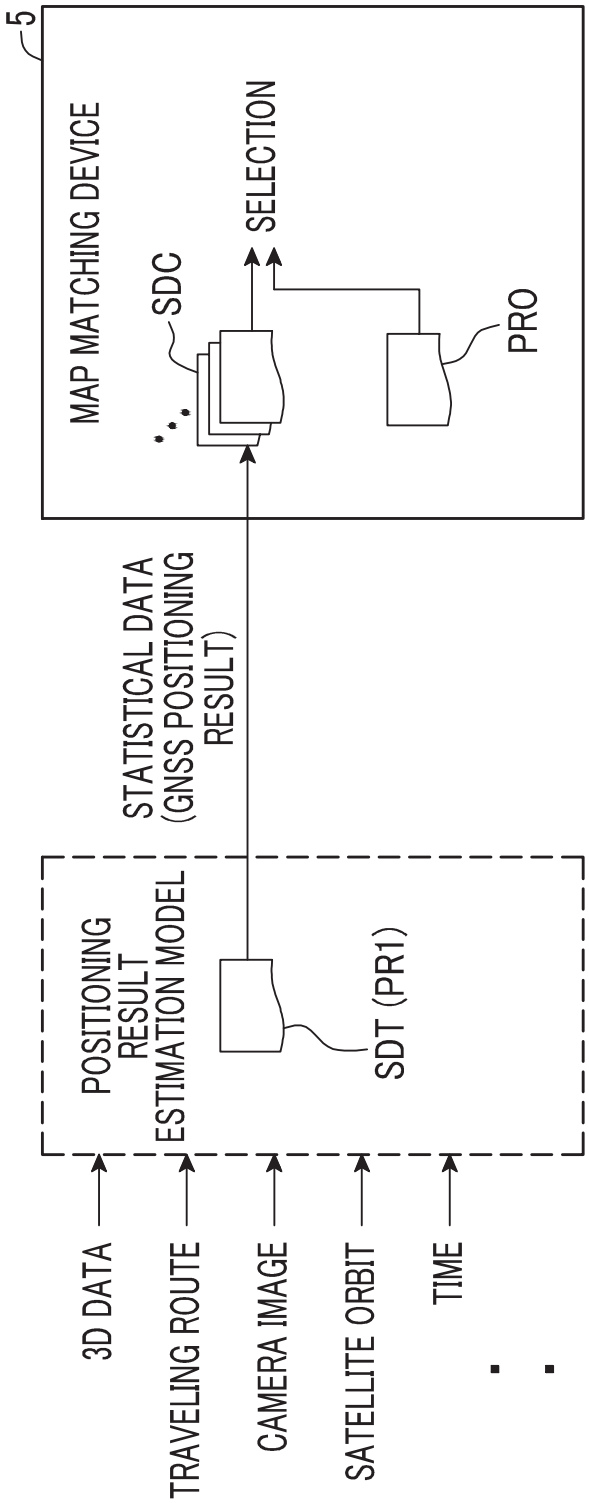

5
MAP MATCHING DEVICE
SDC
SELECTION
PRO
STATISTICAL DATA
(GNSS POSITIONING
RESULT)
POSITIONING
RESULT
ESTIMATION MODEL
SDT (PR1)
3D DATA
TRAVELING ROUTE
CAMERA IMAGE
SATELLITE ORBIT
TIME

FIG. 10

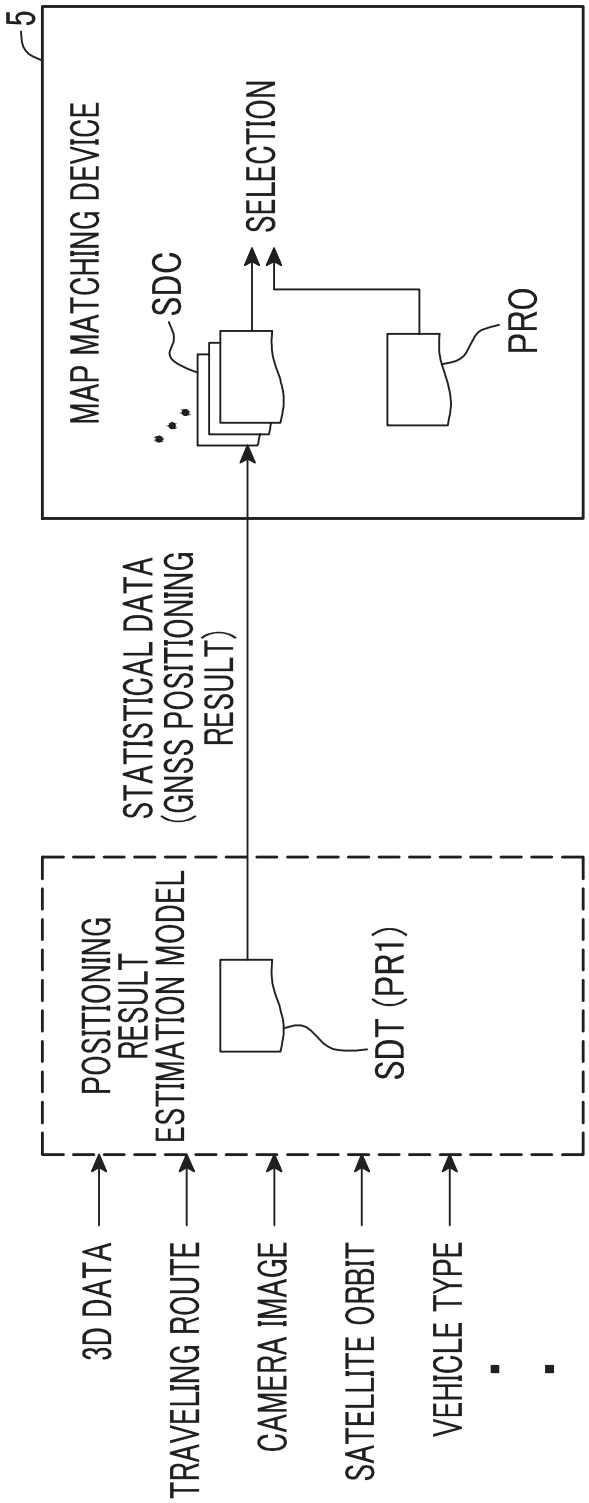
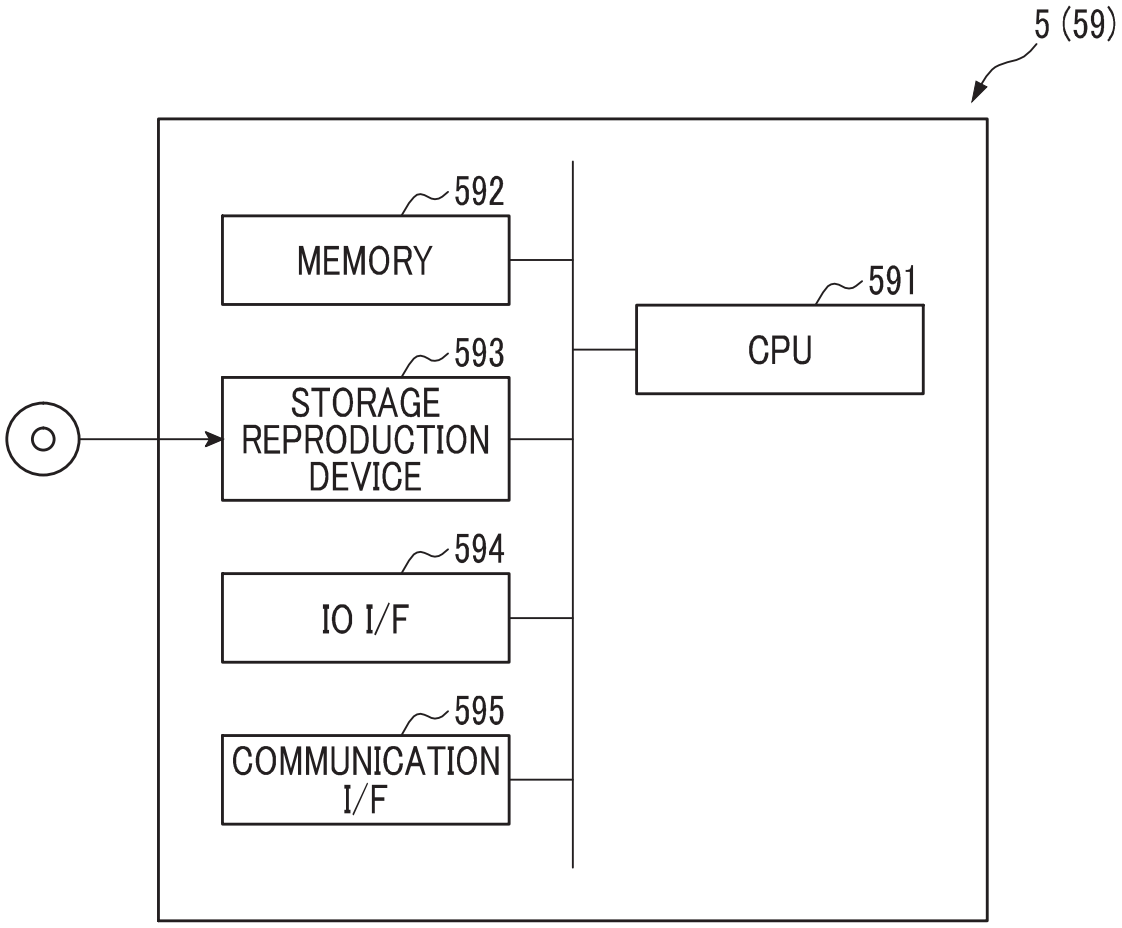

5
MAP MATCHING DEVICE
SDC
SELECTION
PRO
STATISTICAL DATA
(GNSS POSITIONING
RESULT)
POSITIONING
RESULT
ESTIMATION MODEL
SDT (PR1)
3D DATA
TRAVELING ROUTE
CAMERA IMAGE
SATELLITE ORBIT
VEHICLE TYPE

FIG. 11


5 (59)
592
MEMORY
591
CPU
593
STORAGE REPRODUCTION DEVICE
594
IO I/F
595
COMMUNICATION I/F