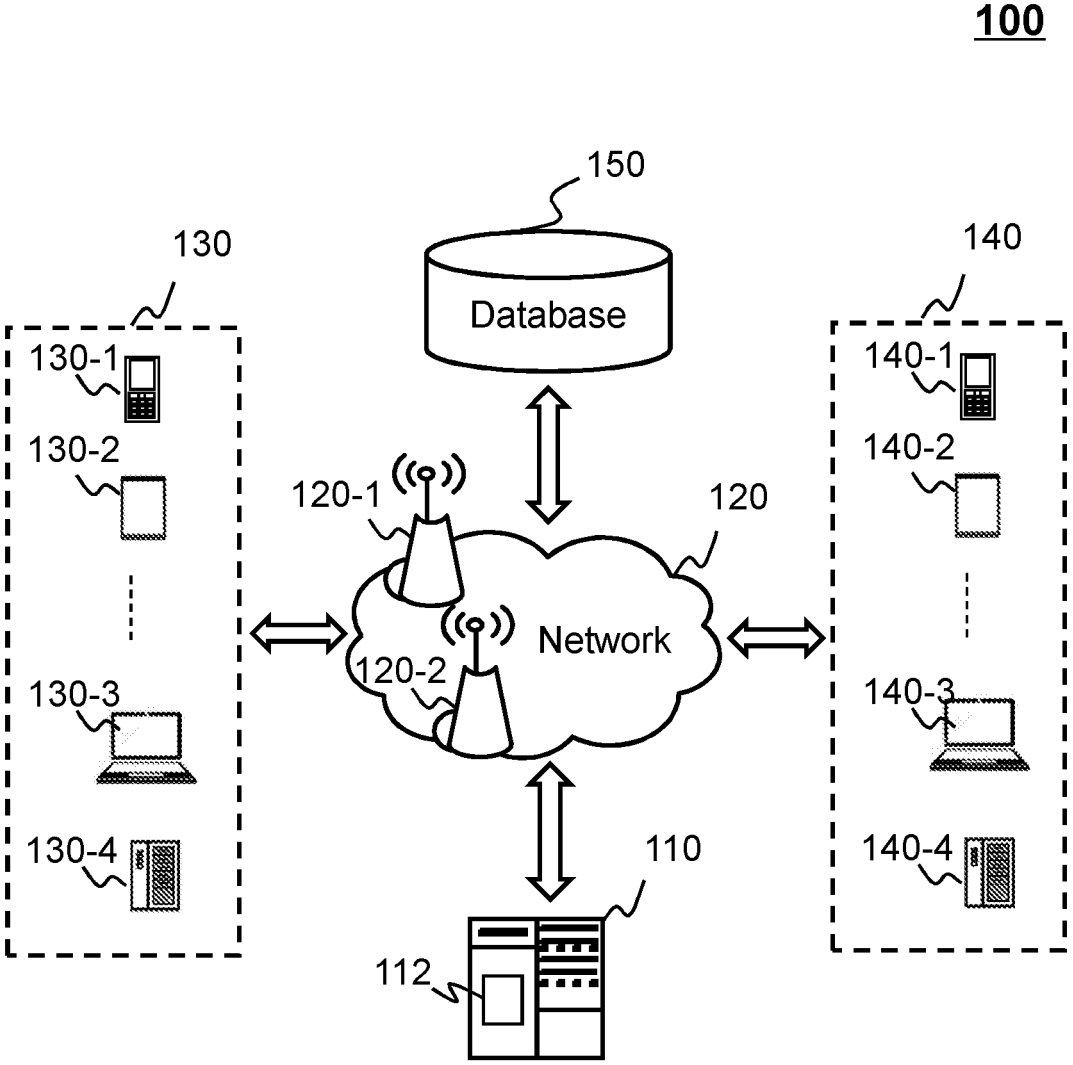

100
150
Database
130
140
130-1
130-2
130-3
130-4
140-1
140-2
140-3
140-4
120-1
120-2
120
Network
110
112

FIG. 1

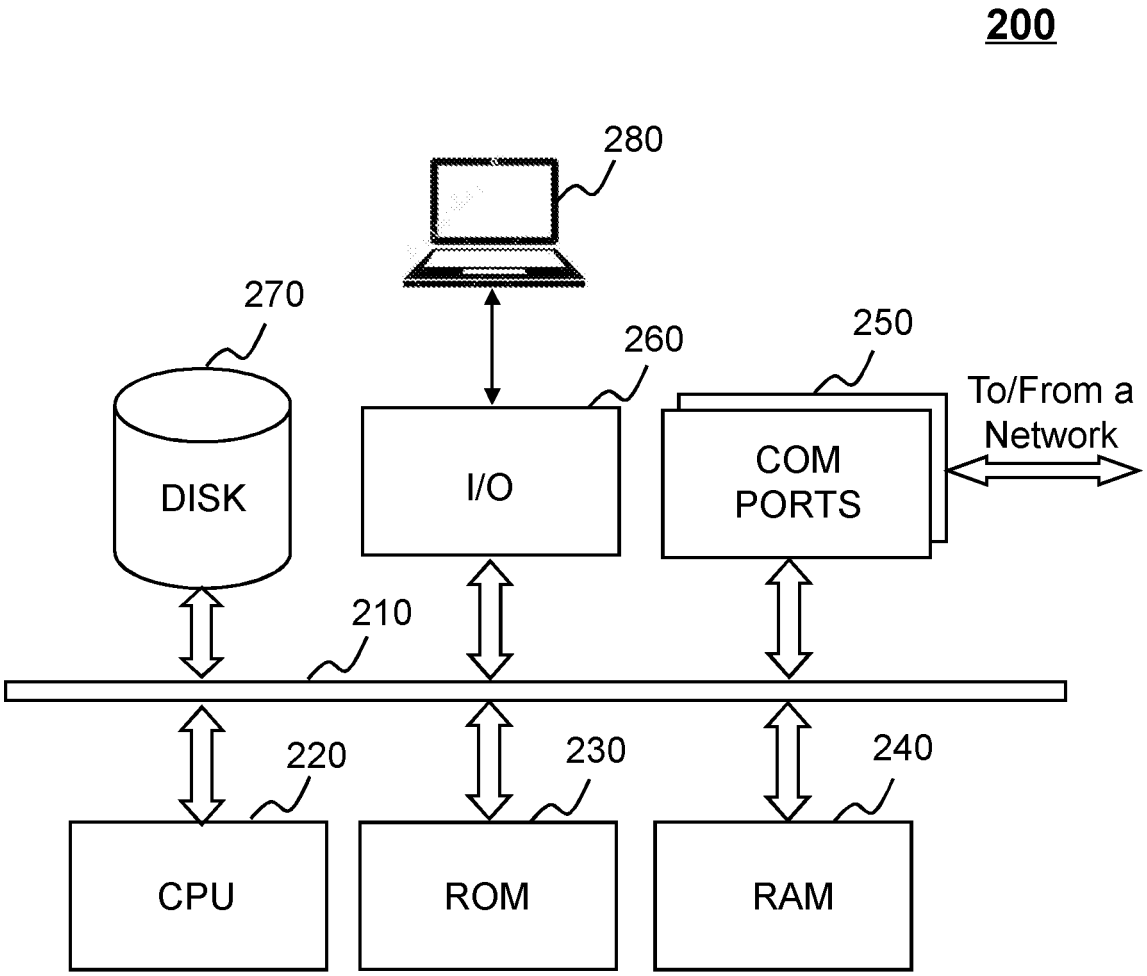

200
280
270
260
250
To/From a Network
DISK
I/O
COM PORTS
210
220
230
240
CPU
ROM
RAM

FIG. 2

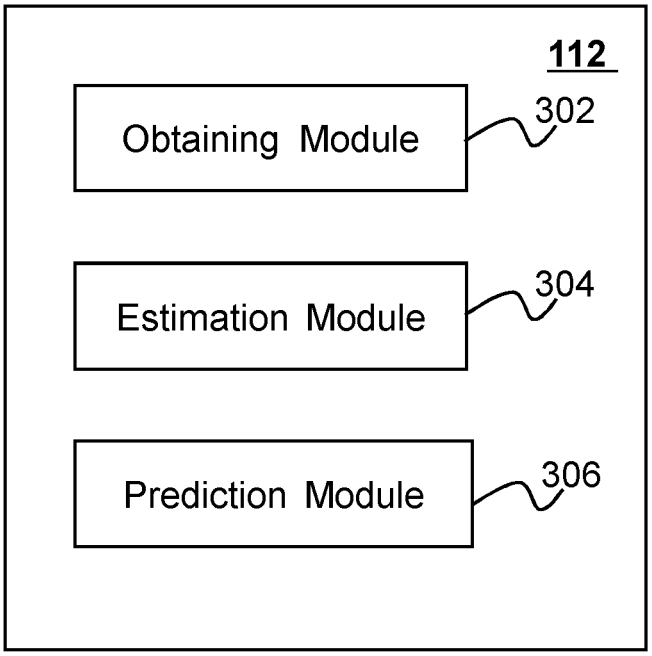

112
Obtaining Module
302
Estimation Module
304
Prediction Module
306

FIG. 3

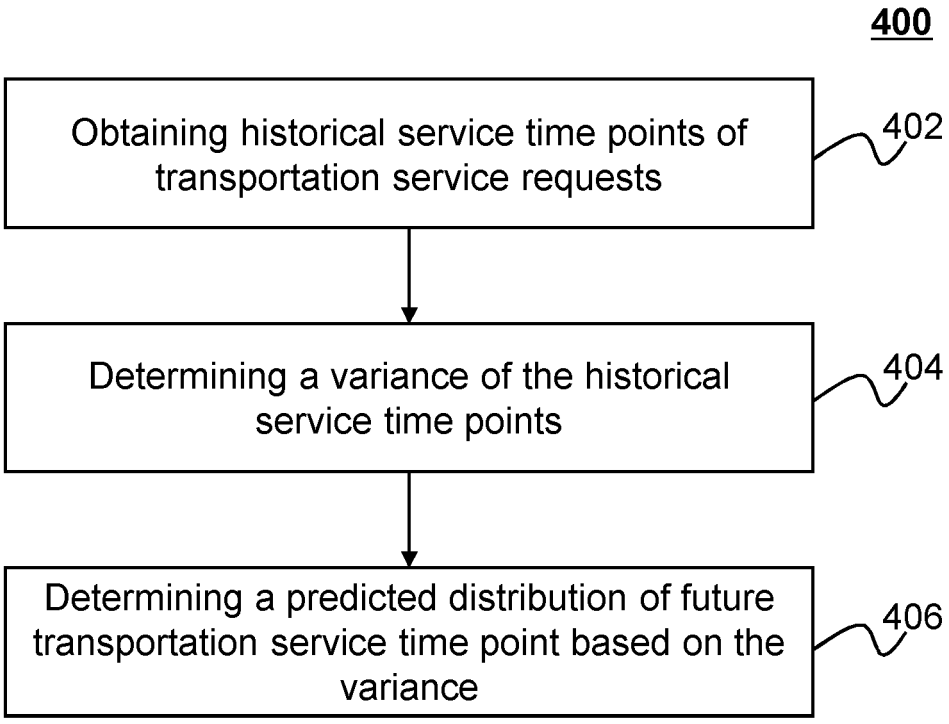

400
Obtaining historical service time points of transportation service requests
402
Determining a variance of the historical service time points
404
Determining a predicted distribution of future transportation service time point based on the variance
406

FIG. 4

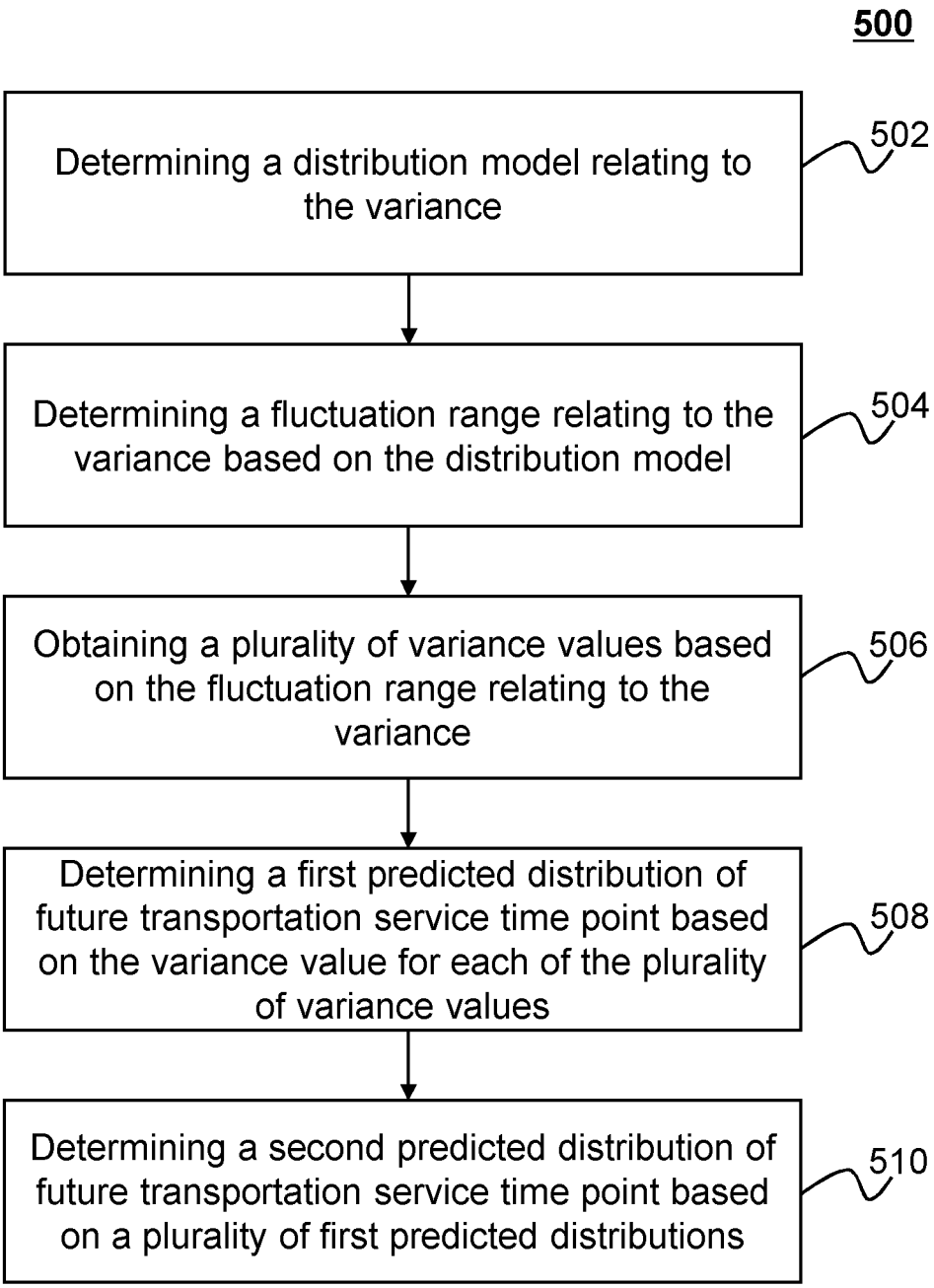

500
Determining a distribution model relating to the variance
502
Determining a fluctuation range relating to the variance based on the distribution model
504
Obtaining a plurality of variance values based on the fluctuation range relating to the variance
506
Determining a first predicted distribution of future transportation service time point based on the variance value for each of the plurality of variance values
508
Determining a second predicted distribution of future transportation service time point based on a plurality of first predicted distributions
510

FIG. 5

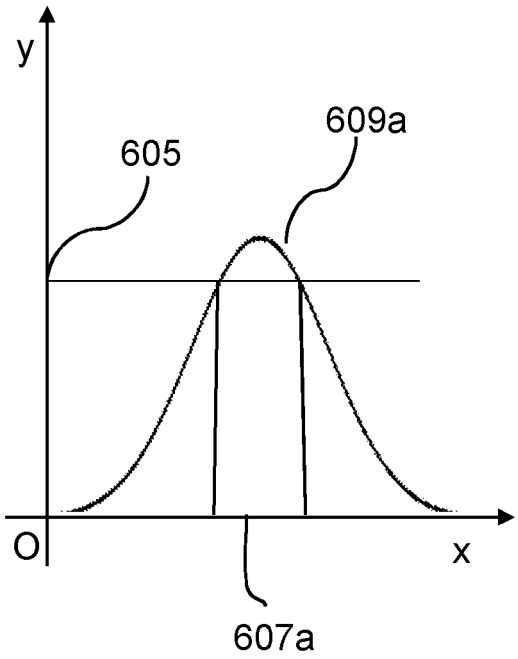


FIG. 6-A

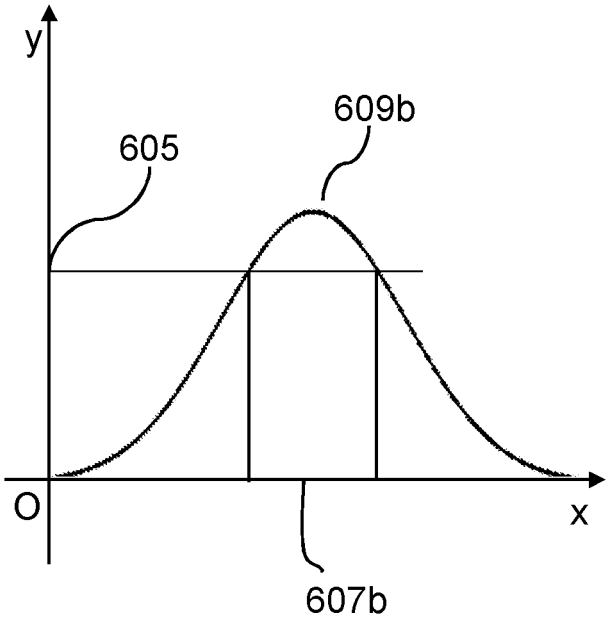


FIG. 6-B