

1/14

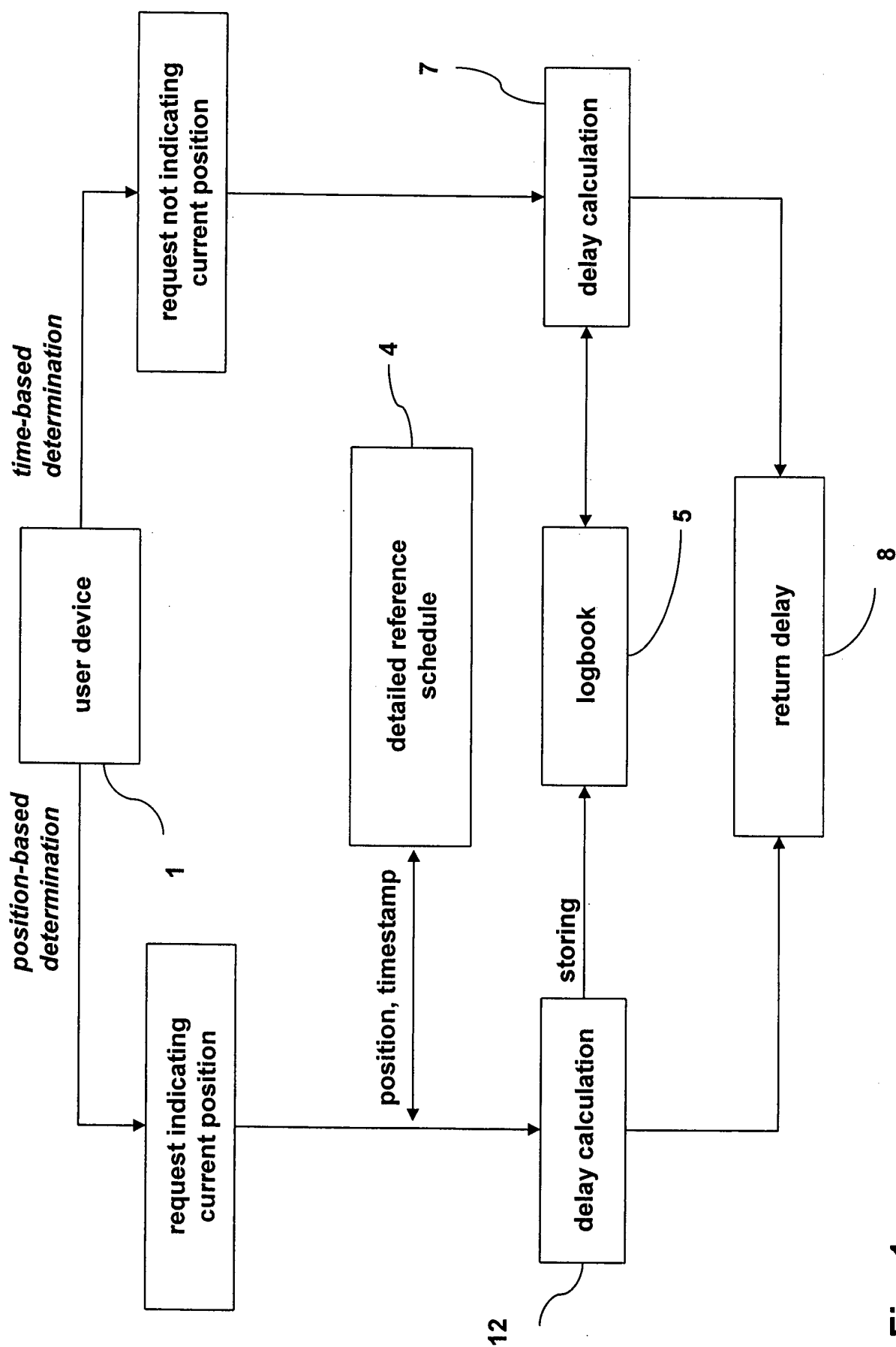
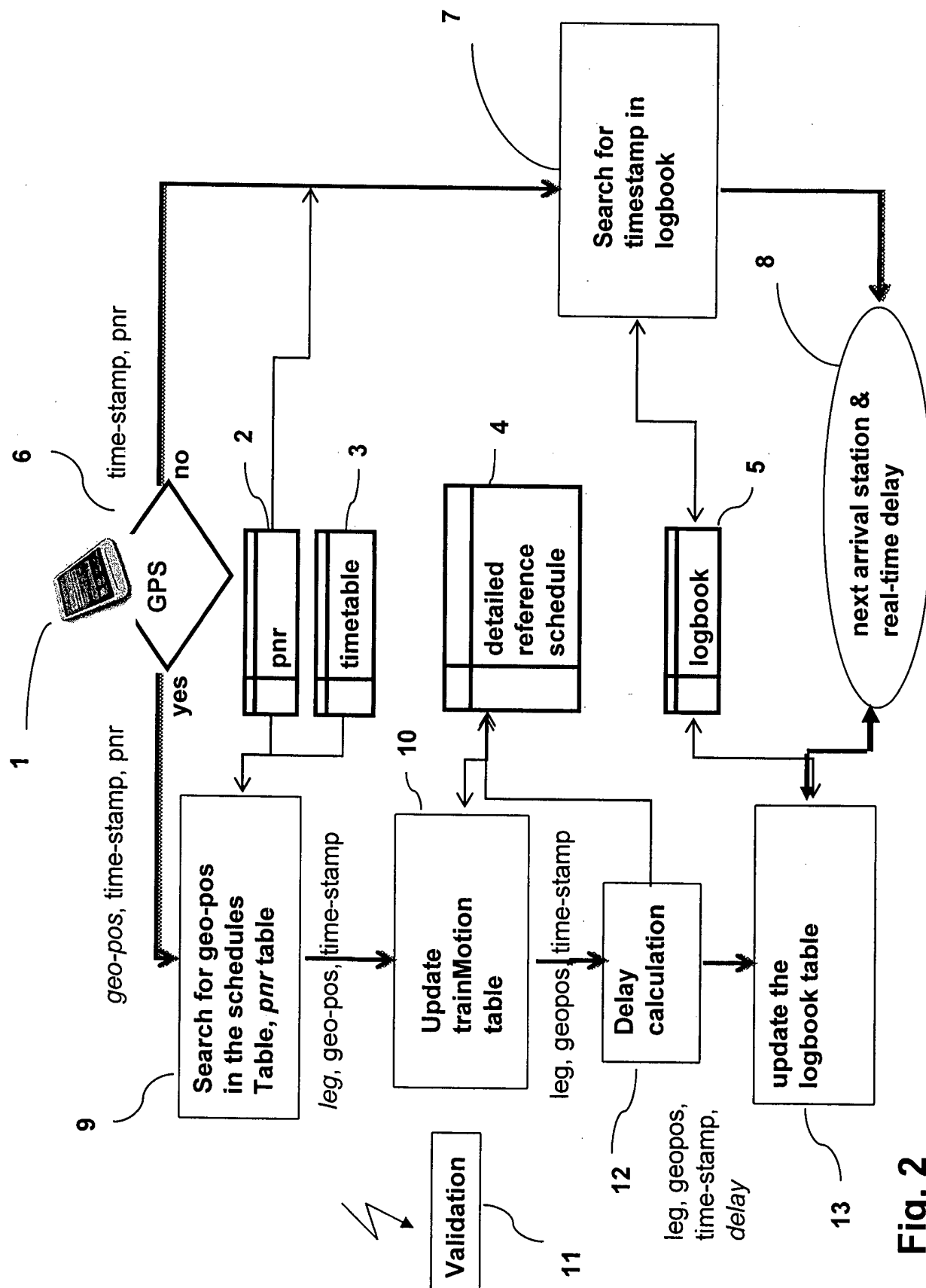


Fig. 1



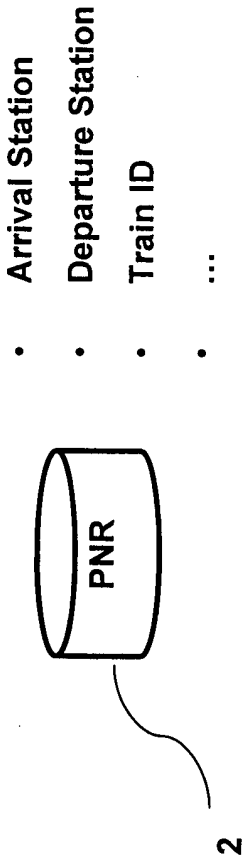


Fig. 3

TrainID	stID	lat	lng	ArrTD	DepTD	Dist_leg
Tr1	St1	43,55	7,02	-	07:30	
Tr1	St2	43,59	7,12	07:38	07:40	11,63
Tr1	St3	43,70	7,28	08:01	-	20,50

Fig. 4

trainID	LegID	time	lat	lng	valid
Tr1	1	07:35	43.56	7.11	Yes
Tr1	1	07:36	43.57	7.11	Yes
Tr1	1	07:37	43.58	7.11	No
Tr1	1	07:38	43.59	7.12	Yes
Tr1	2	07:43	43.60	7.13	Yes
Tr2	1	20:22	23.57	10.11	

4

Fig. 5

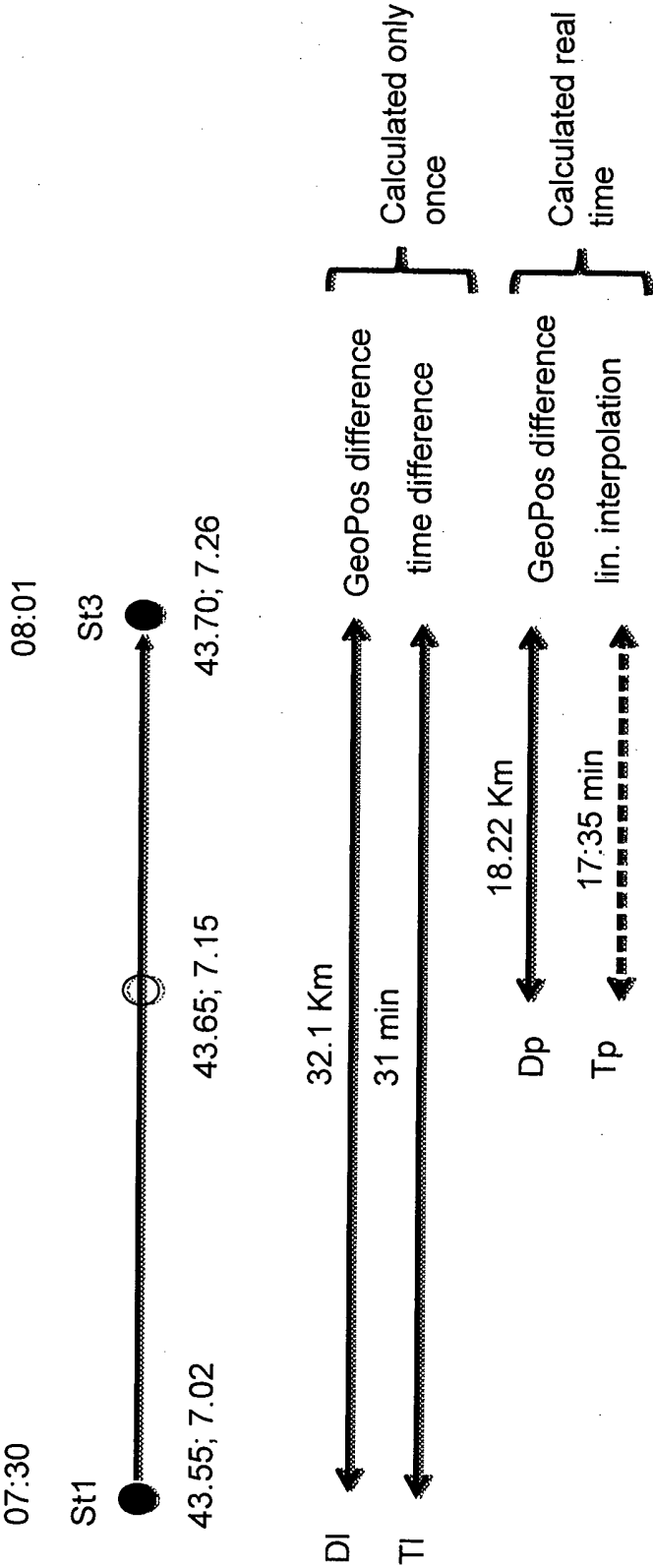
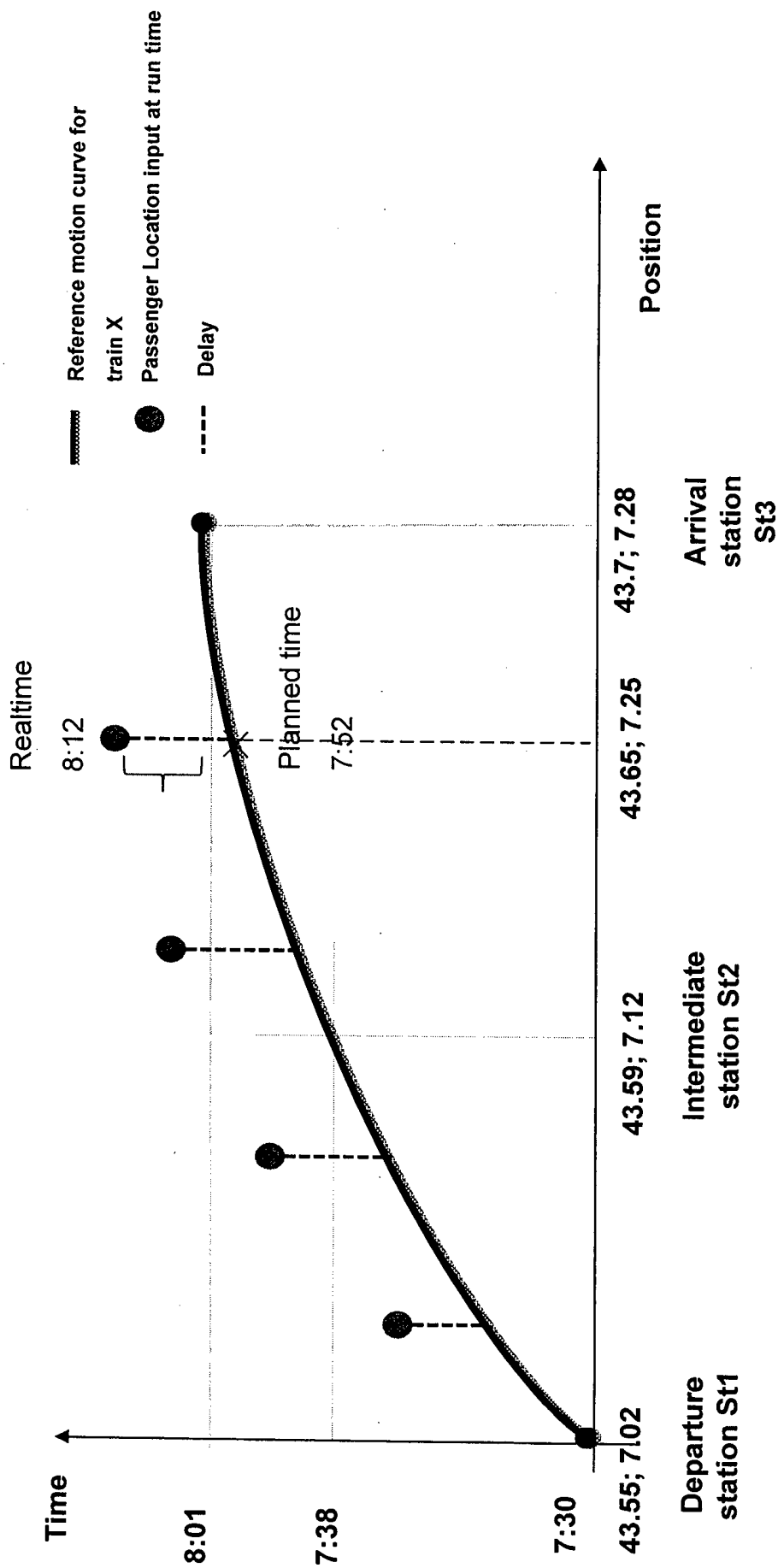


Fig. 6

Fig. 7



<u>trainId</u>	<u>realTime</u>	<u>planTime</u>	<u>lat</u>	<u>lng</u>	<u>stDep</u>	<u>stArr</u>	<u>planDep</u>	<u>planArr</u>	<u>realDep</u>	<u>realArr</u>	<u>delay</u>
Tr1	7:46	7:36	43.57	7.11	St1	St2	07:30	07:38	07:30	07:48	10
Tr1	8:12	7:52	43.65	7.25	St2	St3	07:40	08:01	07:50	08:21	20

Query timestamp

Planned Time

Leg

Delay calculation

5

Fig. 8

8/14

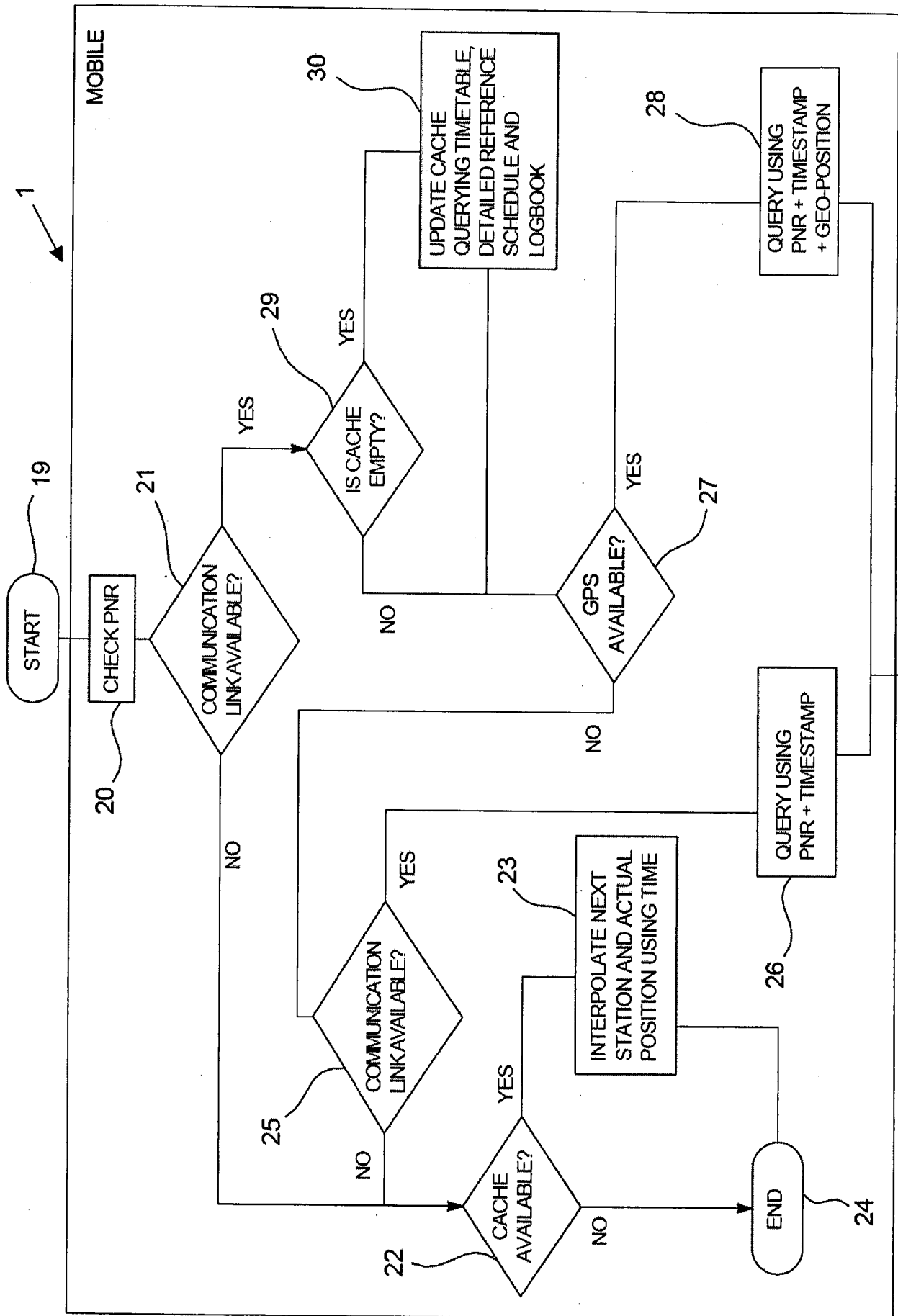
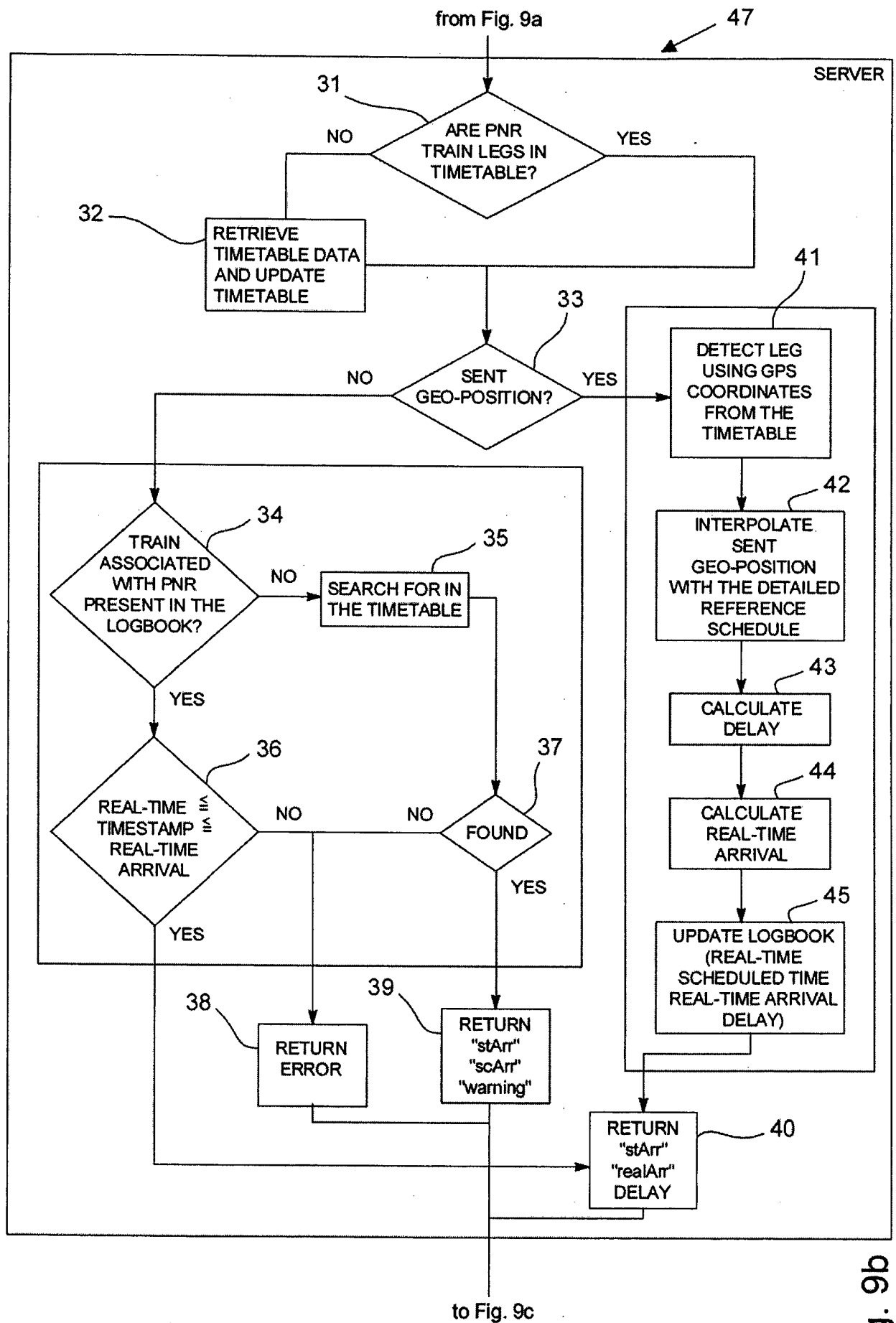


Fig. 9a

to Fig. 9b

9/14



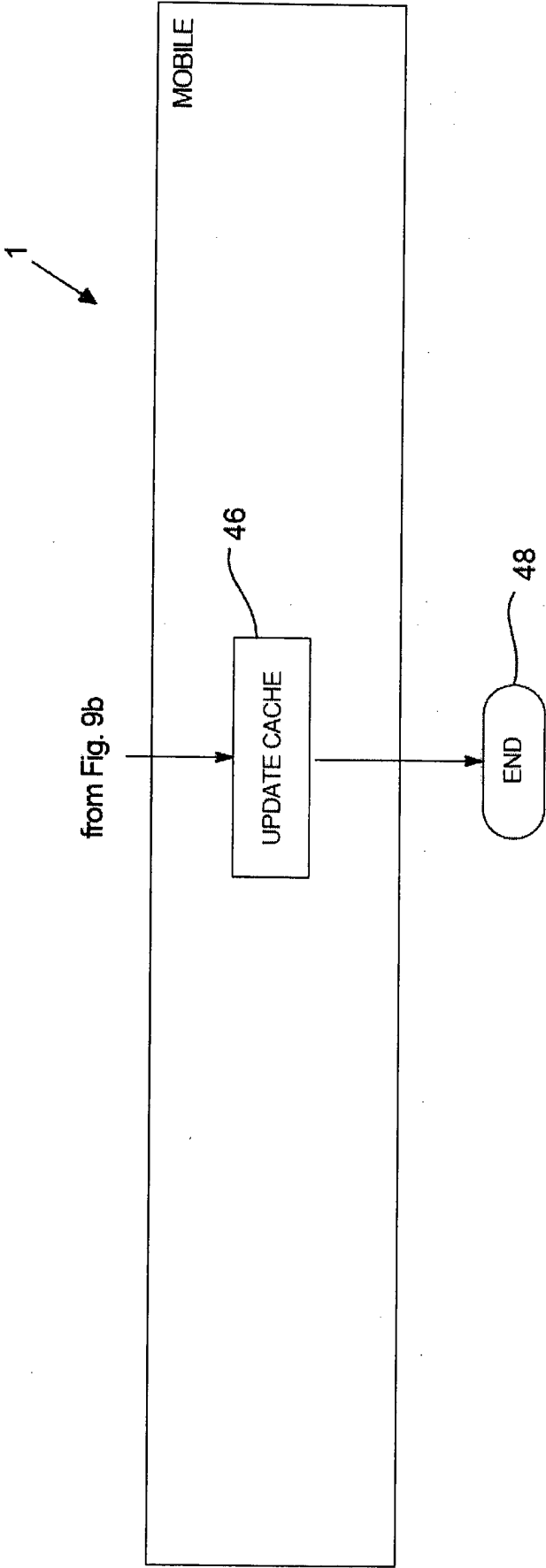


Fig. 9c

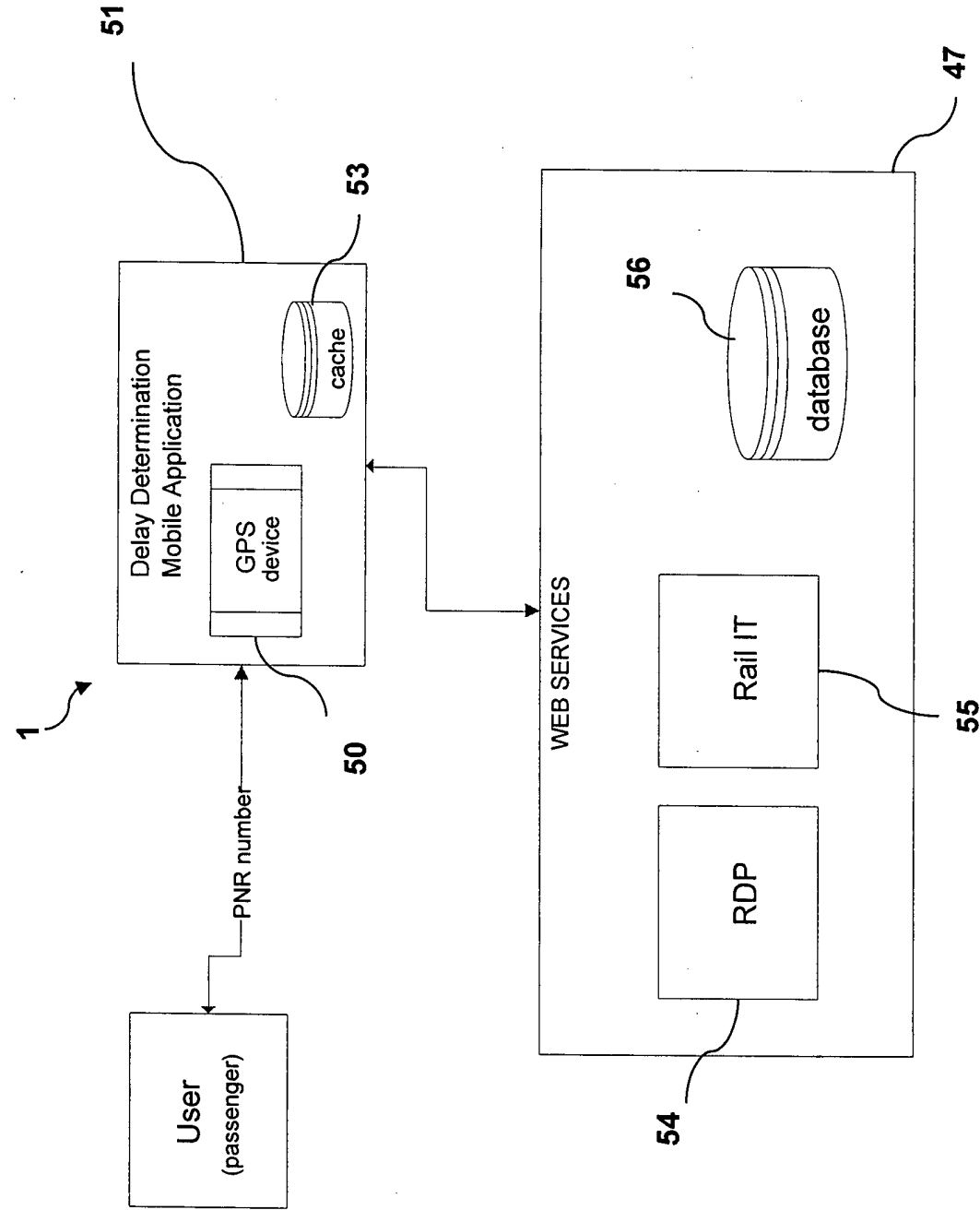


Fig. 10

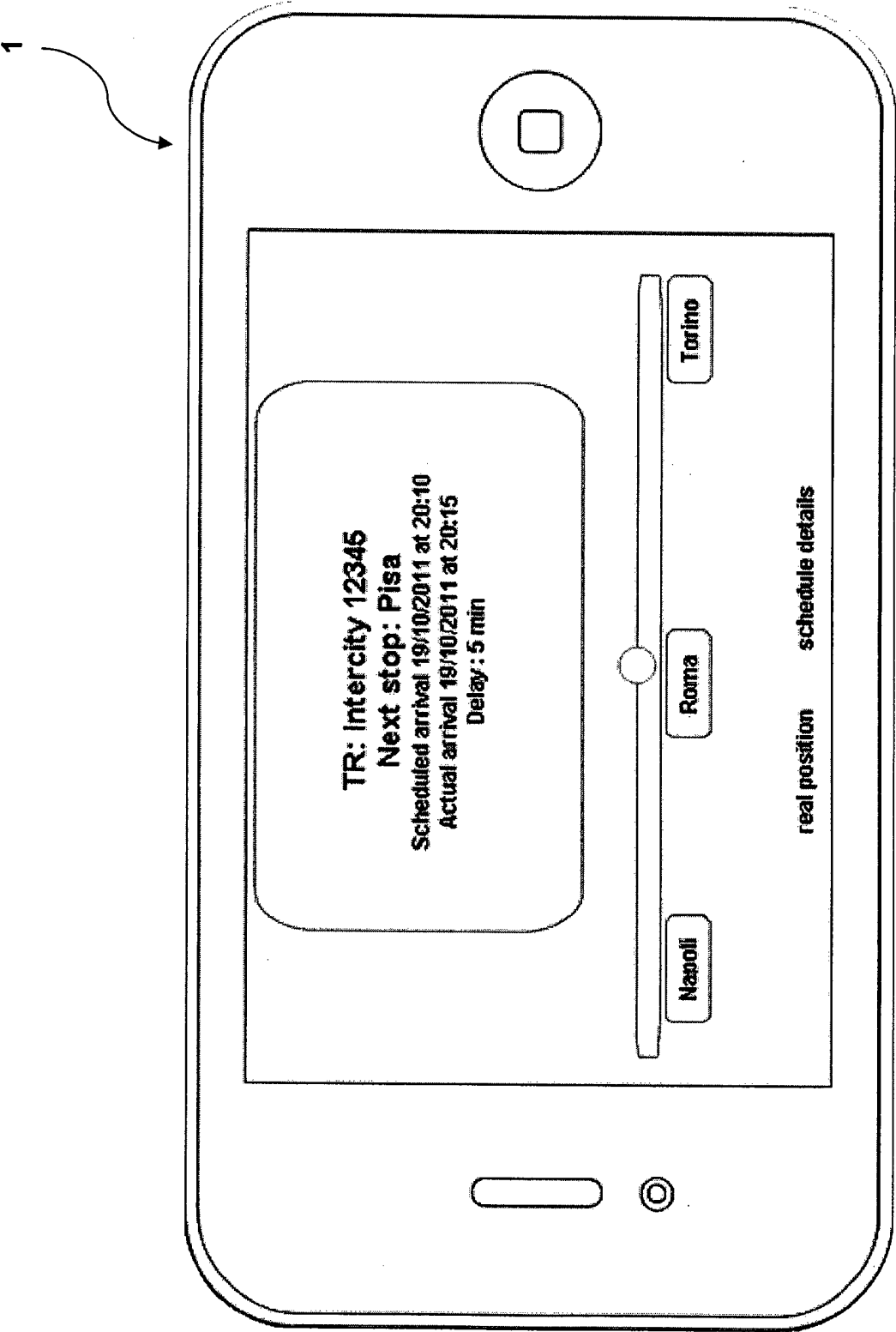


Fig. 11

13/14

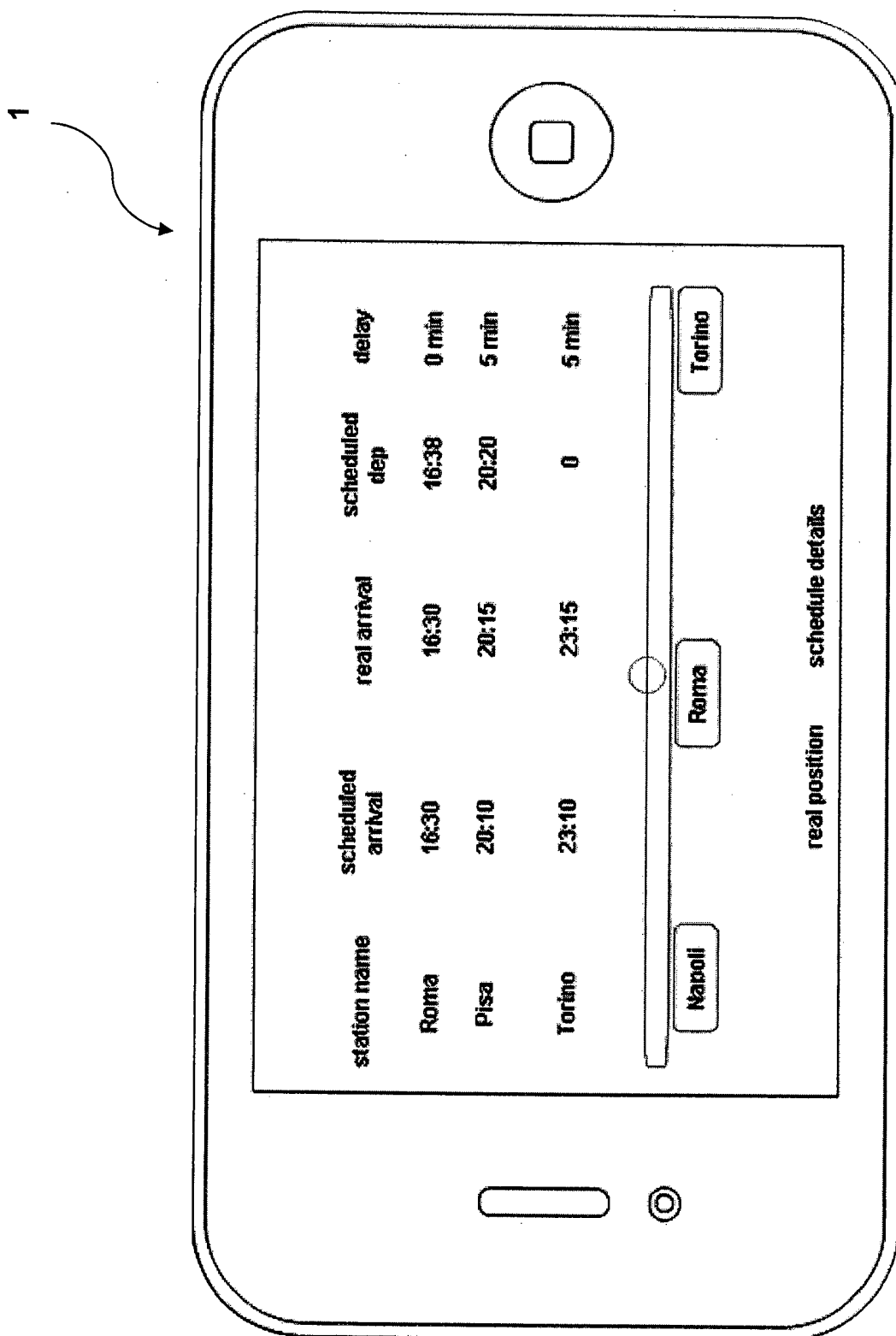


Fig. 12

14/14

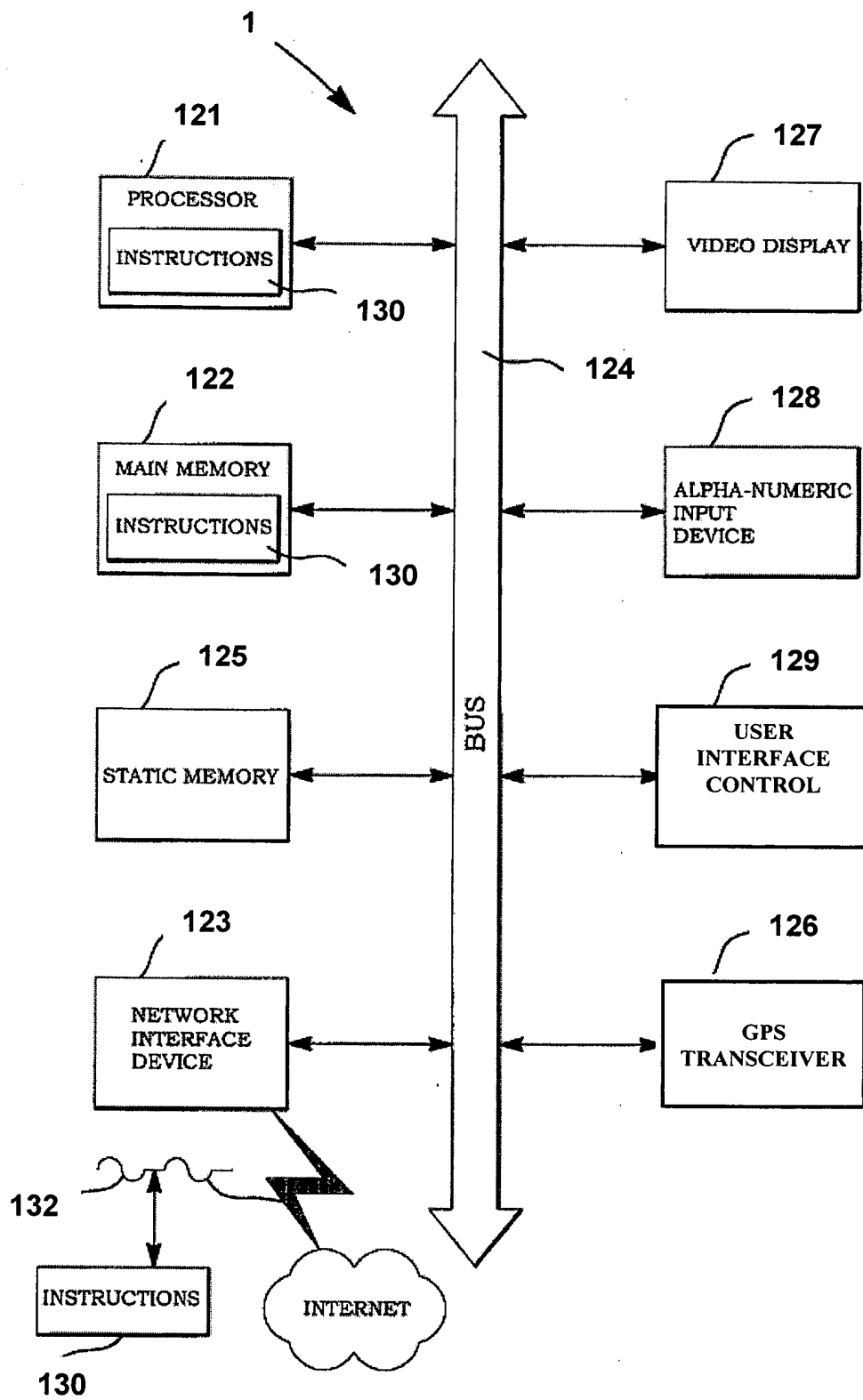


Fig. 13