

FIG. 1

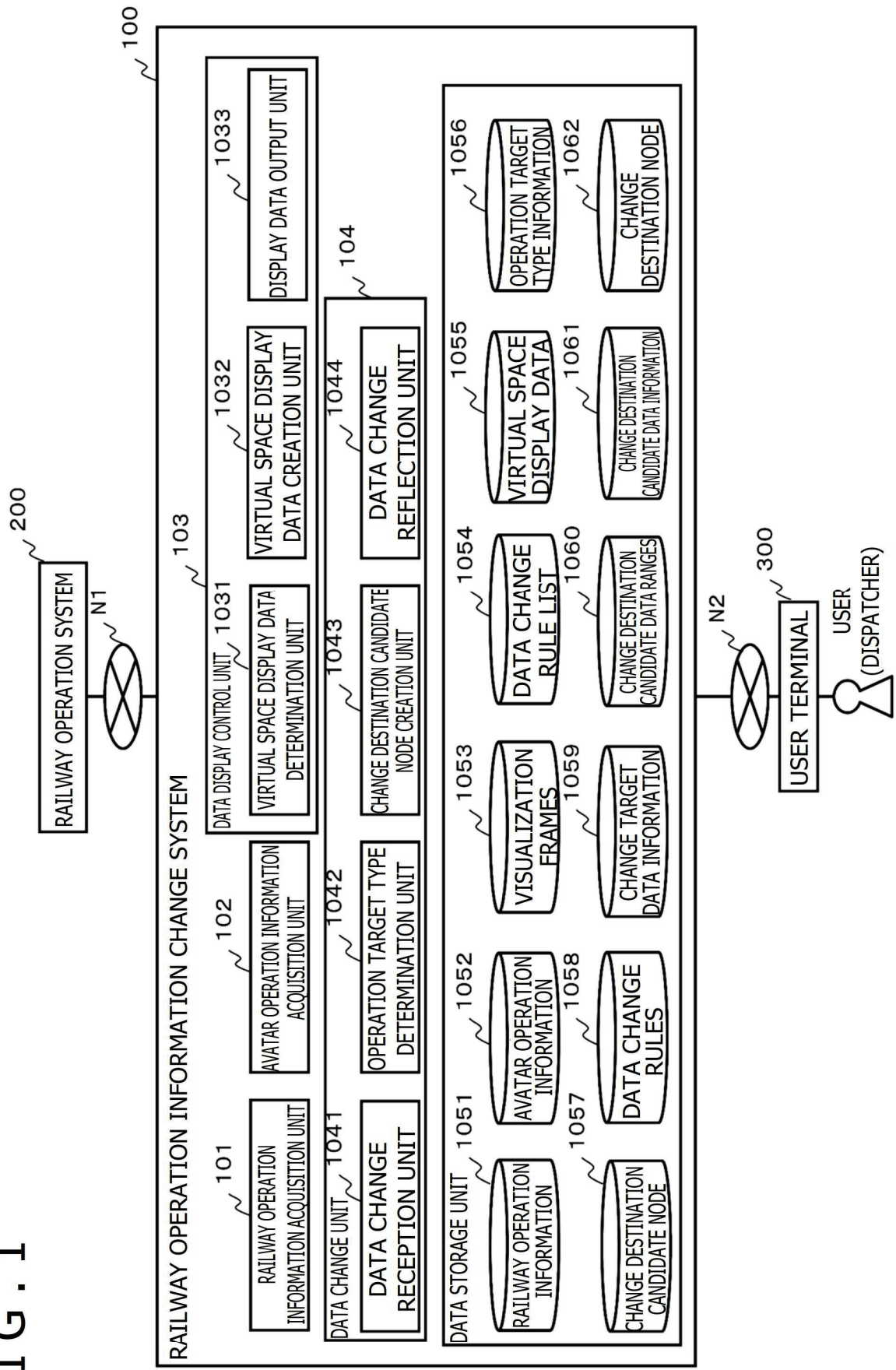


FIG. 2

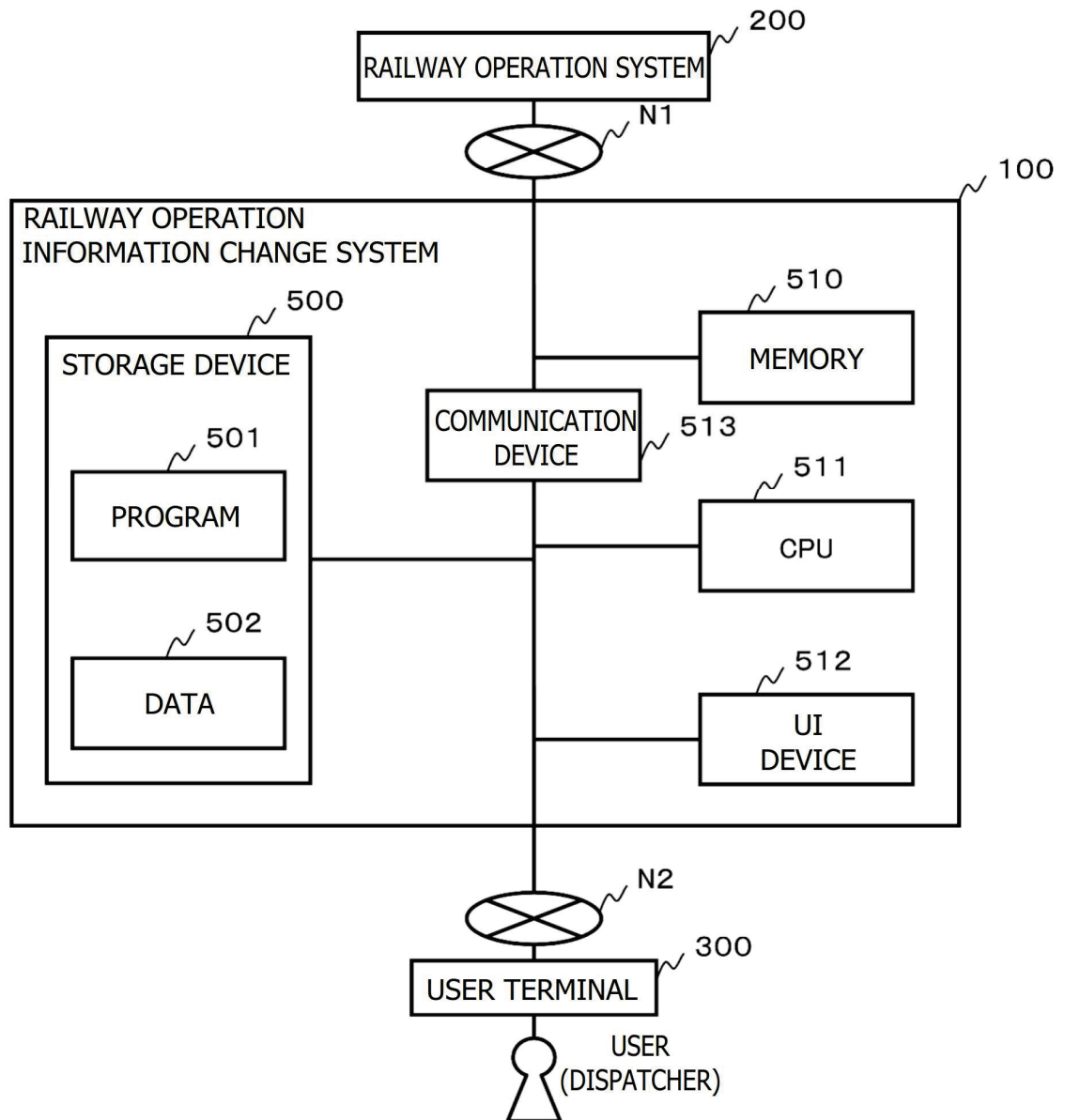


FIG. 3

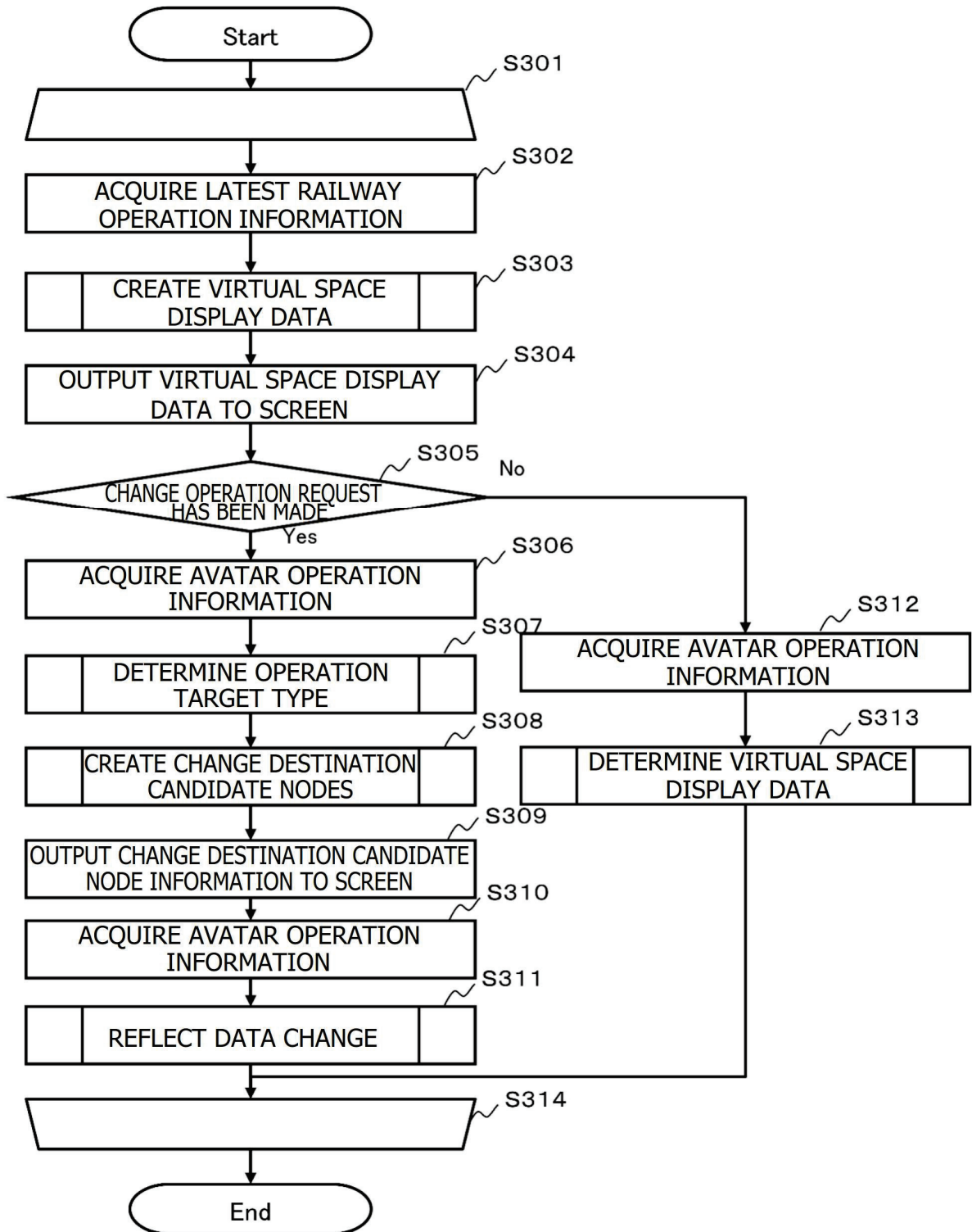


FIG. 4

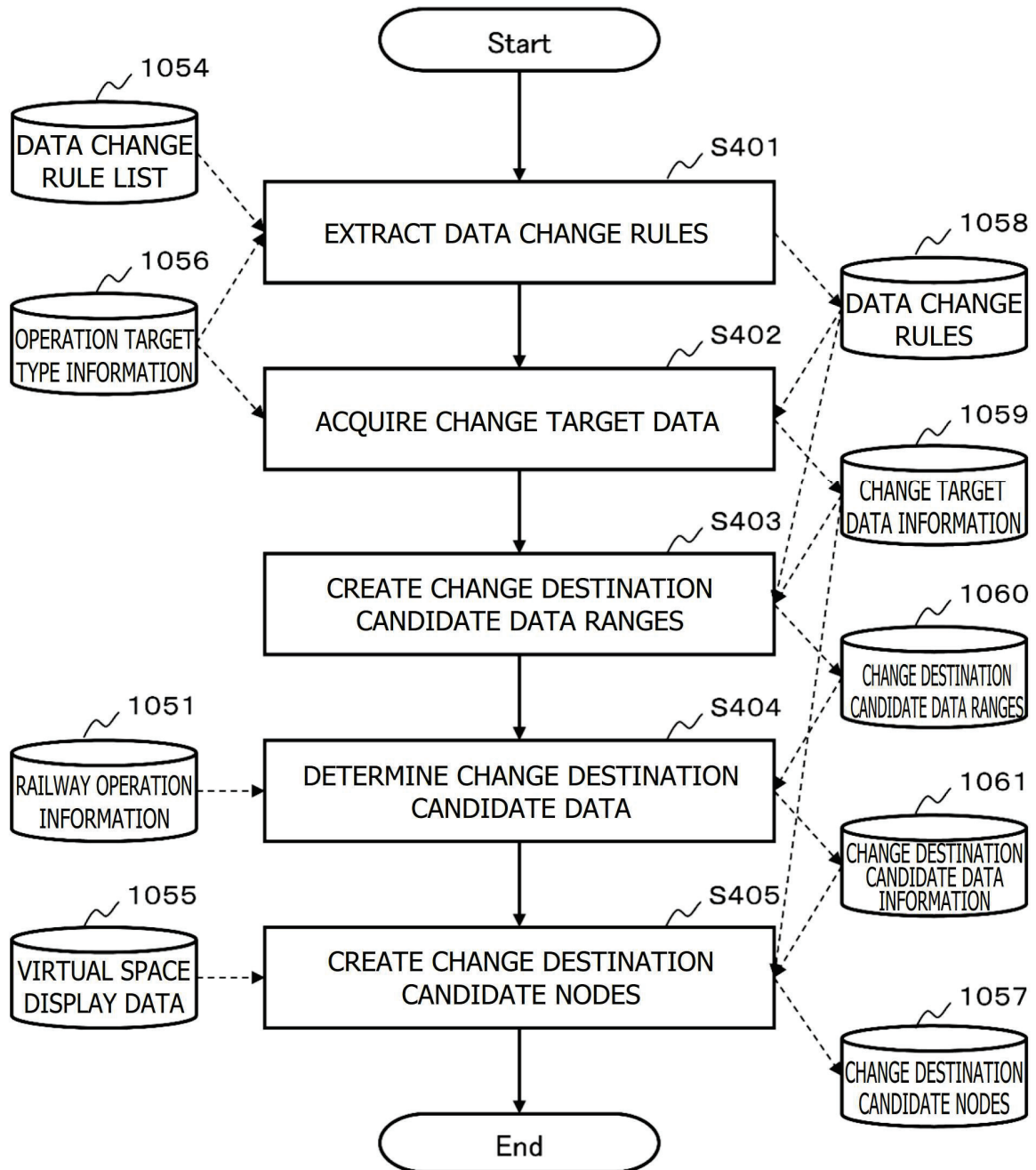


FIG. 5

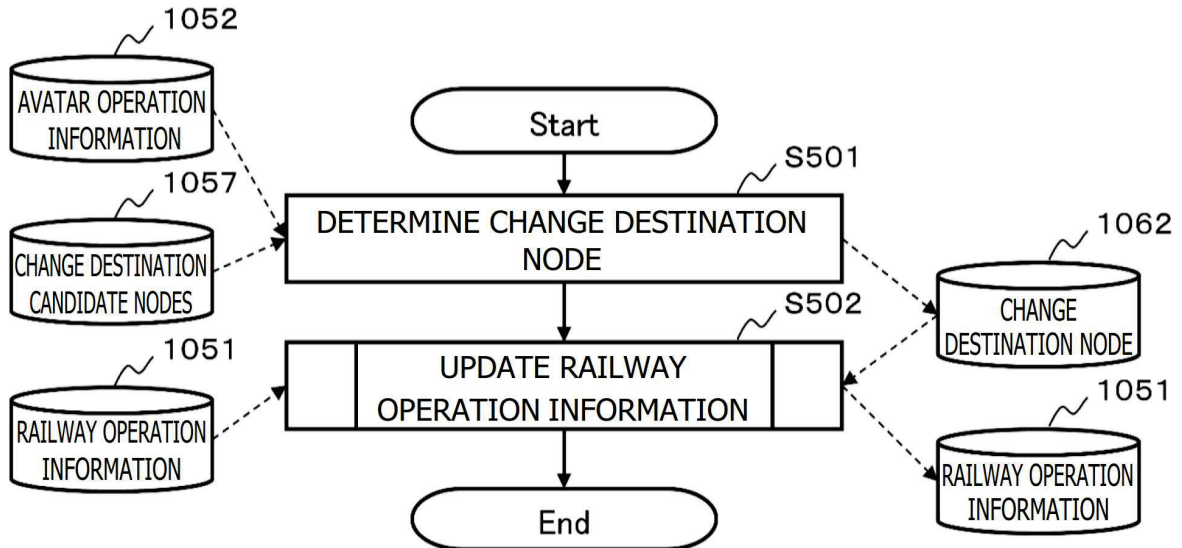


FIG. 6

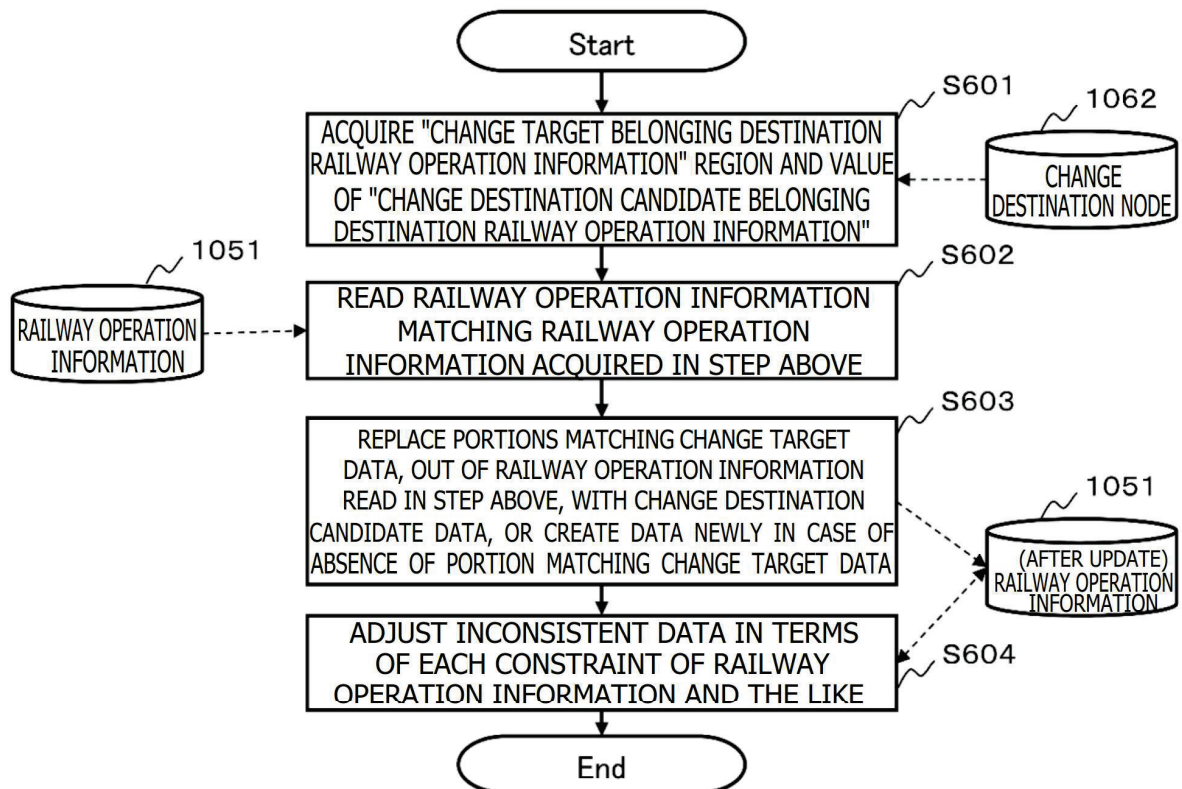


FIG. 7

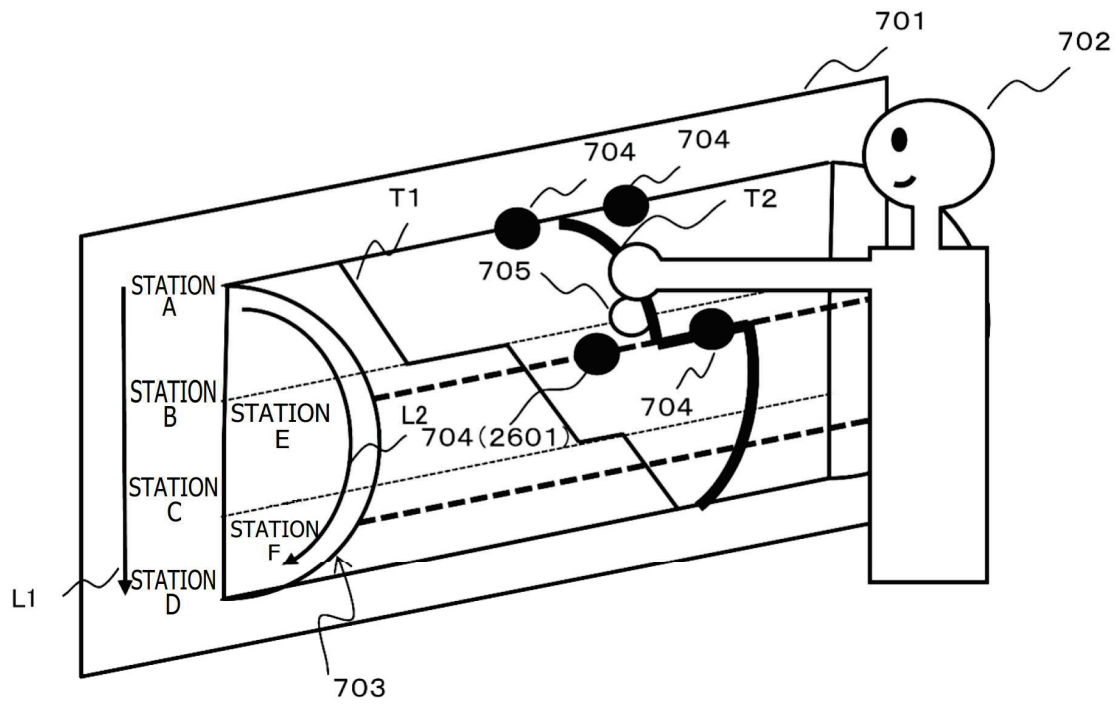


FIG. 8

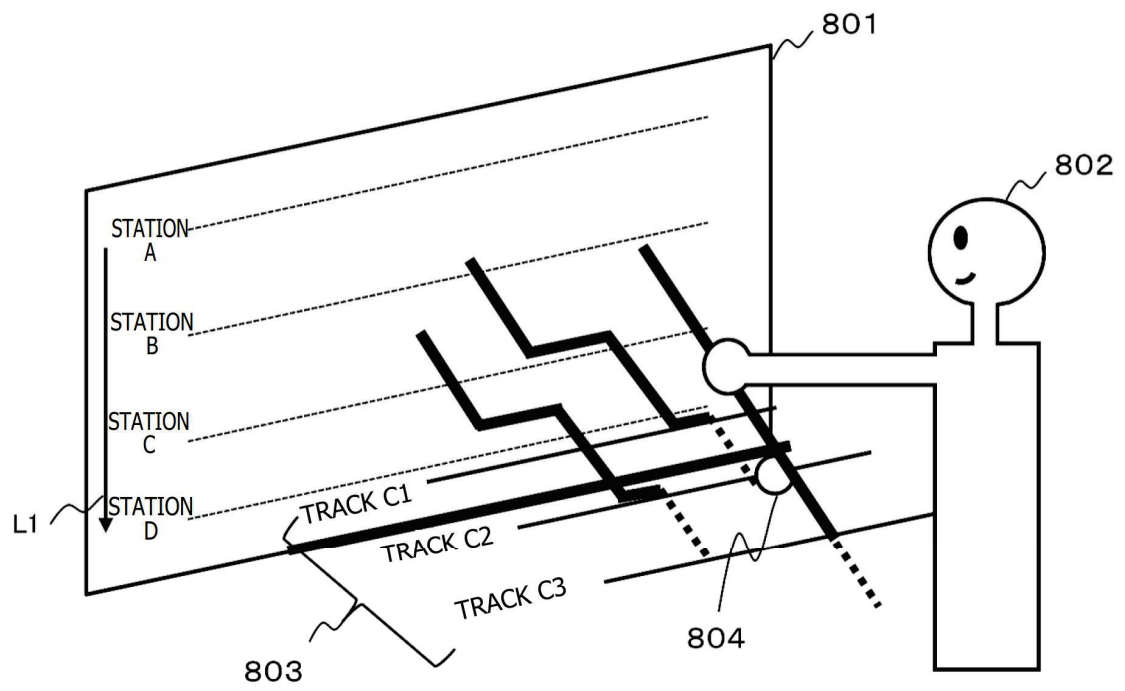


FIG. 9

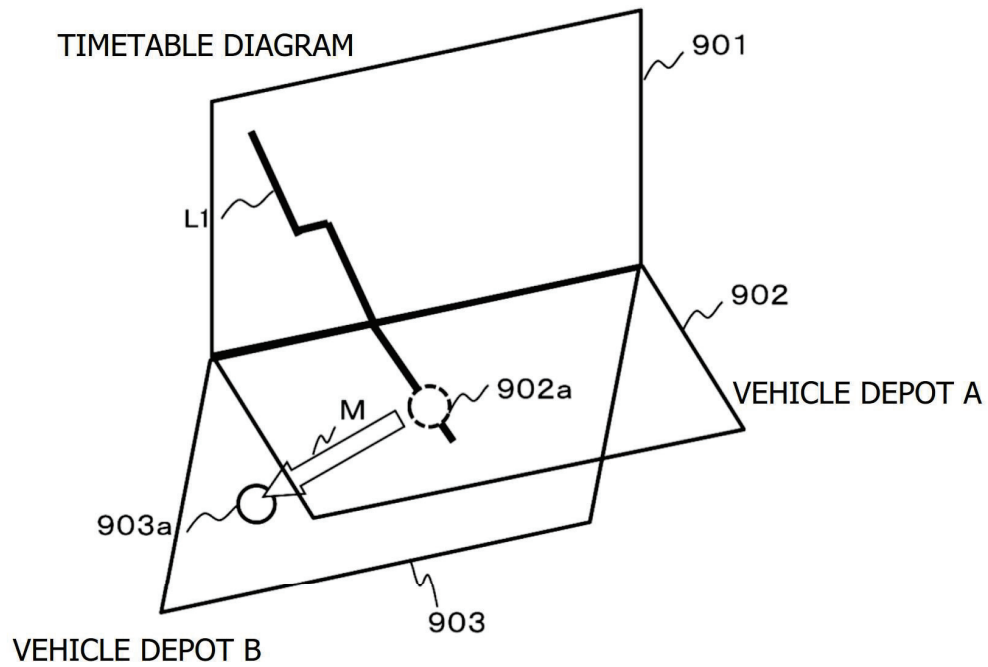


FIG. 10

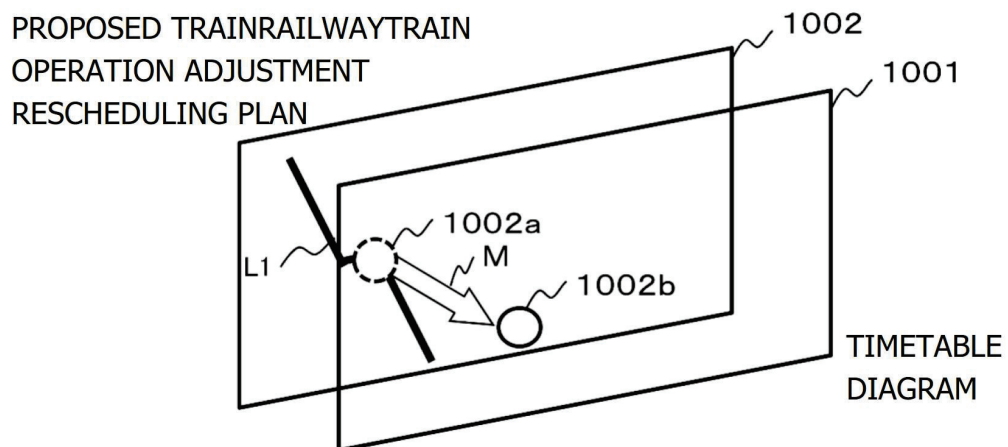


FIG. 11

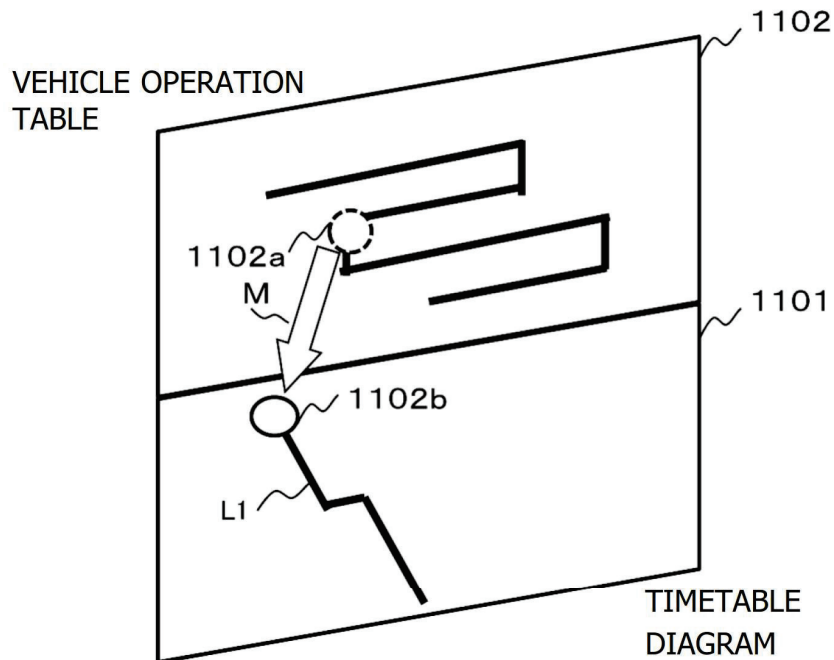


FIG. 12A

OPERATION PLAN INFORMATION (LINE L1)

1201

TRAIN ID	STATION NAME	ARRIVAL TIME	DEPARTURE TIME	...
Tr01	STATION A	07:45:40	07:46:30	...
Tr01	STATION B	07:55:20	07:55:50	...
...	...	...	...	...

FIG. 12 B

↙ 1202

OPERATION PLAN INFORMATION (LINE L2)

TRAIN ID	STATION NAME	ARRIVAL TIME	DEPARTURE TIME	...
Tr02	STATION A	08:00:00	08:00:30	...
Tr02	STATION E	08:05:20	08:06:10	...
...	...	...	...	...

FIG. 13

↙ 1301

TRACK INFORMATION

STATION ID	TRACK ID	TRACK NAME	...
St-C	Pf-C1	TRACK C1	...
St-C	Pf-C2	TRACK C2	...
St-C	Pf-C3	TRACK C3	...

FIG. 14

↙ 1401

VEHICLE DEPOT INFORMATION

TRAIN ID	VEHICLE DEPOT	DEPOT ENTRY TIME	DEPOT ENTRY TRACK ID	INSPECTION ITEM	...
Tr01	A	24:05:00	Pf-X1	TRAIN INSPECTION	...
Tr02	B	25:10:20	Pf-X3	NONE	...
...	...	...	...	...	...

FIG. 15

1501

VEHICLE OPERATION INFORMATION

FORMATION ID	TRAIN ID	...
V001	Tr01	...
V001	Tr0X	...
...	...	...

FIG. 16

1601

VIRTUAL SPACE OBJECT ID	DISPLAY ASSET	RELATING VIRTUAL SPACE OBJECT ID	OBJECT DATA
Obj001	Null	-	LINE
Obj002	Null	Obj001	TRAIN
Obj003	Line	Obj002	TRAIN STATION DEPARTURE, STATION ARRIVAL
...	...	...	...

FIG. 17

1701

VIRTUAL SPACE OBJECT ID	DISPLAY ASSET	RELATING VIRTUAL SPACE OBJECT ID	OBJECT DATA	OBJECT BELONGING DESTINATION RAILWAY OPERATION INFORMATION	VIRTUAL SPACE DISPLAY POSITION
Obj001	Null	-	LINE L2	OPERATION PLAN INFORMATION (LINE L2)	(0,1,0)
Obj002	Null	Obj001	TRAIN Tr02	OPERATION PLAN INFORMATION (LINE L2)	(0,1,0)
Obj003	Line	Obj002	TRAIN Tr02 DEPARTURE FROM STATION A AT 08:00:30 ARRIVAL AT STATION E AT 08:05:20	OPERATION PLAN INFORMATION (LINE L2)	(5, 1.3, 0)
Obj004	Point	Obj002	TRAIN Tr02 ARRIVAL AT STATION E AT 08:05:20	OPERATION PLAN INFORMATION (LINE L2)	(5.1, 1.2, 0)
Obj005	Line	Obj002	TRAIN Tr02 ARRIVAL AT STATION E AT 08:05:20 DEPARTURE FROM STATION E AT 08:06:10	OPERATION PLAN INFORMATION (LINE L2)	(5.2, 1.2, 0)
...	...	...	...	...	...

FIG. 18

1801

TARGET VIRTUAL SPACE OBJECT ID	OPERATION METHOD	OPERATION POSITION
Obj003	TRIGGER PRESSING	(5.1, 1.25, 0.3)

FIG. 19

1901

OPERATION TARGET TYPE	OPERATION TARGET DATA	OPERATION TARGET BELONGING DESTINATION RAILWAY OPERATION INFORMATION
TRAIN (STATION DEPARTURE - STATION ARRIVAL)	LINE L2, TRAIN Tr2, DEPARTURE FROM STATION A AT 08:00:30 ARRIVAL AT STATION E AT 08:05:20	OPERATION PLAN INFORMATION (LINE L2)

FIG. 20

↘ 2001

TARGET RAILWAY OPERATION INFORMATION	OPERATION TARGET TYPE	CHANGEABLE PORTION	CHANGEABLE RANGE
OPERATION PLAN INFORMATION	TRAIN (STATION ARRIVAL - STATION DEPARTURE), TRAIN (STATION DEPARTURE - STATION ARRIVAL), TRAIN (ARRIVAL STATION)	ARRIVAL TIME AT ARRIVAL STATION	WITHIN ±300 SECONDS OF ARRIVAL TIME, EVERY 10 SECONDS
OPERATION PLAN INFORMATION	TRAIN (STATION ARRIVAL - STATION DEPARTURE), TRAIN (STATION DEPARTURE - STATION ARRIVAL), TRAIN (DEPARTURE STATION)	DEPARTURE TIME FROM DEPARTURE STATION	WITHIN ±300 SECONDS OF DEPARTURE TIME, EVERY 10 SECONDS
OPERATION PLAN INFORMATION	TRAIN (STATION DEPARTURE - STATION ARRIVAL)	TRAVEL SECTION	IN CASE OF PRESENCE OF PARALLEL TRAVEL SECTION
...	...	...	...
TRACK INFORMATION	TRAIN (WHOLE), TRAIN (STATION ARRIVAL - STATION DEPARTURE)	TRACK	IN CASE OF PRESENCE OF CHANGEABLE TRACK
...	...	...	...

↘ 2002
↘ 2003
↘ 2004
↘ 2005

}

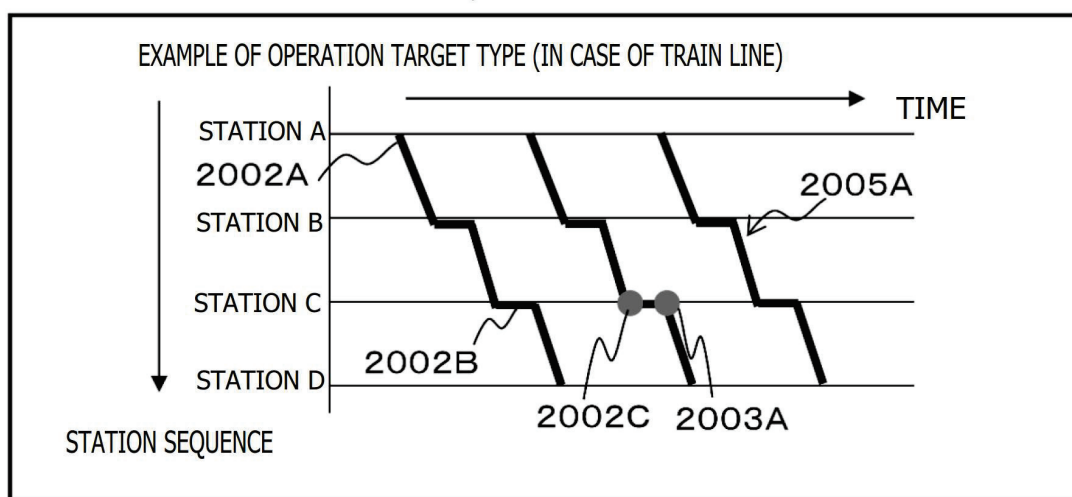


FIG. 21

↙ 2101

TARGET RAILWAY OPERATION INFORMATION	OPERATION TARGET TYPE	CHANGEABLE PORTION	CHANGEABLE RANGE	
OPERATION PLAN INFORMATION	TRAIN (STATION ARRIVAL - STATION DEPARTURE), TRAIN (STATION DEPARTURE - STATION ARRIVAL), TRAIN (ARRIVAL STATION)	ARRIVAL TIME AT ARRIVAL SATION	WITHIN ±300 SECONDS OF ARRIVAL TIME, EVERY 10 SECONDS	↙ 2102
OPERATION PLAN INFORMATION	TRAIN (STATION ARRIVAL - STATION DEPARTURE), TRAIN (STATION DEPARTURE - STATION ARRIVAL), TRAIN (DEPARTURE STATION)	DEPARTURE TIME FROM DEPARTURE STATION	WITHIN ±300 SECONDS OF DEPARTURE TIME, EVERY 10 SECONDS	↙ 2103
OPERATION PLAN INFORMATION	TRAIN (STATION DEPARTURE - STATION ARRIVAL)	TRAVEL SECTION	IN CASE OF PRESENCE OF PARALLEL TRAVEL SECTION	↙ 2104

FIG. 22

↙ 2201

CHANGE TARGET DATA	CHANGE TARGET DATA TYPE	CHANGE TARGET BELONGING DESTINATION RAILWAY OPERATION INFORMATION	
DEPARTURE FROM STATION A AT 08:00:30	DEPARTURE TIME FROM DEPARTURE STATION	OPERATION PLAN INFORMATION (LINE L2)	↙ 2202
ARRIVAL AT STATION E AT 08:05:20	ARRIVAL TIME AT ARRIVAL SATION	OPERATION PLAN INFORMATION (LINE L2)	↙ 2203
STATION A - STATION E	TRAVEL SECTION	OPERATION PLAN INFORMATION (LINE L2)	↙ 2204

FIG. 23

2301

RANGE ID	CHANGE DESTINATION CANDIDATE DATA RANGE
Rn01	STATION A, RANGE OF 07:55:30 - 08:05:30, EVERY 10 SECONDS
Rn02	STATION B, RANGE OF 08:00:20 - 08:10:20, EVERY 10 SECONDS
Rn03	PARALLEL TRAVEL SECTION WITH LINE L2: BETWEEN STATION A AND STATION E

FIG. 24

2401

CHANGE DESTINATION CANDIDATE DATA	CHANGE DESTINATION CANDIDATE DATA TYPE	CHANGE DESTINATION CANDIDATE BELONGING DESTINATION RAILWAY OPERATION INFORMATION	
DEPARTURE FROM STATION A AT 07:55:30	DEPARTURE TIME FROM DEPARTURE STATION	OPERATION PLAN INFORMATION (LINE L2)	2402
DEPARTURE FROM STATION A AT 07:55:40	DEPARTURE TIME FROM DEPARTURE STATION	OPERATION PLAN INFORMATION (LINE L2)	
...	...	...	
ARRIVAL AT STATION E AT 08:00:20	ARRIVAL TIME AT ARRIVAL STATION	OPERATION PLAN INFORMATION (LINE L2)	2403
ARRIVAL AT STATION E AT 08:00:30	ARRIVAL TIME AT ARRIVAL STATION	OPERATION PLAN INFORMATION (LINE L2)	
...	...	...	2404
STATION A - STATION B	TRAVEL SECTION	OPERATION PLAN INFORMATION (LINE L1)	

DATA ON ANOTHER LINE L1 BETWEEN STATION A AND STATION B

FIG. 25

2501

VIRTUAL SPACE OBJECT ID	DISPLAY ASSET	RELATING VIRTUAL SPACE OBJECT ID	VIRTUAL SPACE DISPLAY POSITION	CHANGE TARGET DATA	CHANGE TARGET DATA TYPE	CHANGE TARGET BELONGING DESTINATION RAILWAY OPERATION INFORMATION	CHANGE DESTINATION CANDIDATE DATA	CHANGE DESTINATION CANDIDATE DATA TYPE	CHANGE DESTINATION CANDIDATE BELONGING DESTINATION RAILWAY OPERATION INFORMATION
Obj0X1	Point	Obj001	(4.9, 1.3, 0)	DEPARTURE FROM STATION A AT 08:00:30	DEPARTURE TIME FROM DEPARTURE STATION	OPERATION PLAN INFORMATION (LINE L2)	DEPARTURE FROM STATION A AT 07:55:30	DEPARTURE TIME FROM DEPARTURE STATION	OPERATION PLAN INFORMATION (LINE L2)
...	...	...	...	...	...	...	...	...	...
Obj0Y1	Point	Obj001	(5.0, 1.2, 0)	ARRIVAL AT STATION E AT 08:05:20	ARRIVAL TIME AT ARRIVAL STATION	LINE OPERATION INFORMATION (LINE L2)	ARRIVAL AT STATION E AT 08:00:20	ARRIVAL TIME AT ARRIVAL STATION	LINE OPERATION INFORMATION (LINE L2)
...	...	...	...	...	...	...	...	...	...
Obj0Z1	Point	Obj0XX	(5.0, 1.3, -0.4)	STATION A - STATION E	TRAVEL SECTION	LINE OPERATION INFORMATION (LINE L2)	STATION A - STATION B	TRAVEL SECTION	LINE OPERATION INFORMATION (LINE L1)

2502

2503

2504

FIG. 26

2601

VIRTUAL SPACE OBJECT ID	DISPLAY ASSET	RELATING VIRTUAL SPACE OBJECT ID	VIRTUAL SPACE POSITION	CHANGE TARGET DATA	CHANGE TARGET DATA TYPE	CHANGE TARGET BELONGING DESTINATION RAILWAY OPERATION INFORMATION	CHANGE DESTINATION CANDIDATE DATA	CHANGE DESTINATION CANDIDATE DATA TYPE	CHANGE DESTINATION CANDIDATE BELONGING DESTINATION RAILWAY OPERATION INFORMATION
Obj0Y1	Point	Obj001	(5.0, 1.2, 0)	ARRIVAL AT STATION E AT 08:05:20	ARRIVAL TIME AT ARRIVAL SATION	LINE OPERATION INFORMATION (LINE L2)	ARRIVAL AT STATION E AT 08:00:20	ARRIVAL TIME AT ARRIVAL SATION	LINE OPERATION INFORMATION (LINE L2)