

FIG. 1

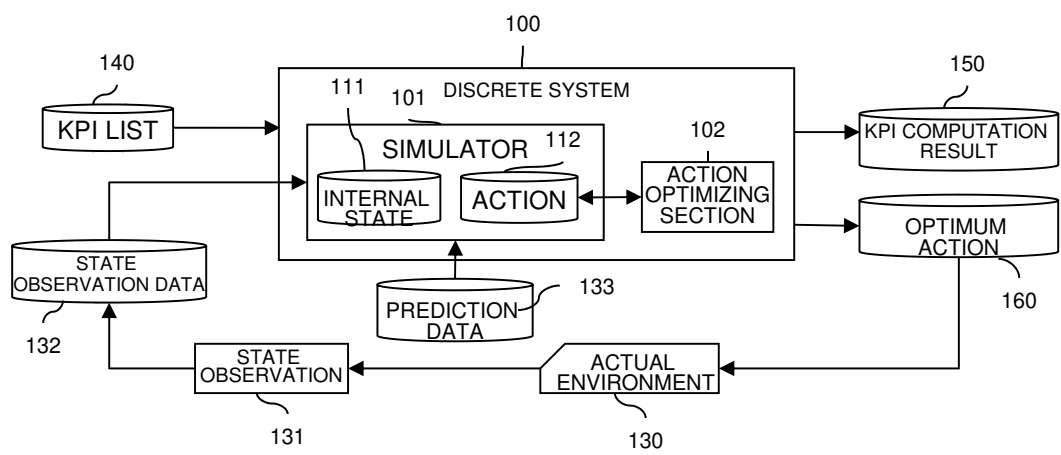


FIG. 2

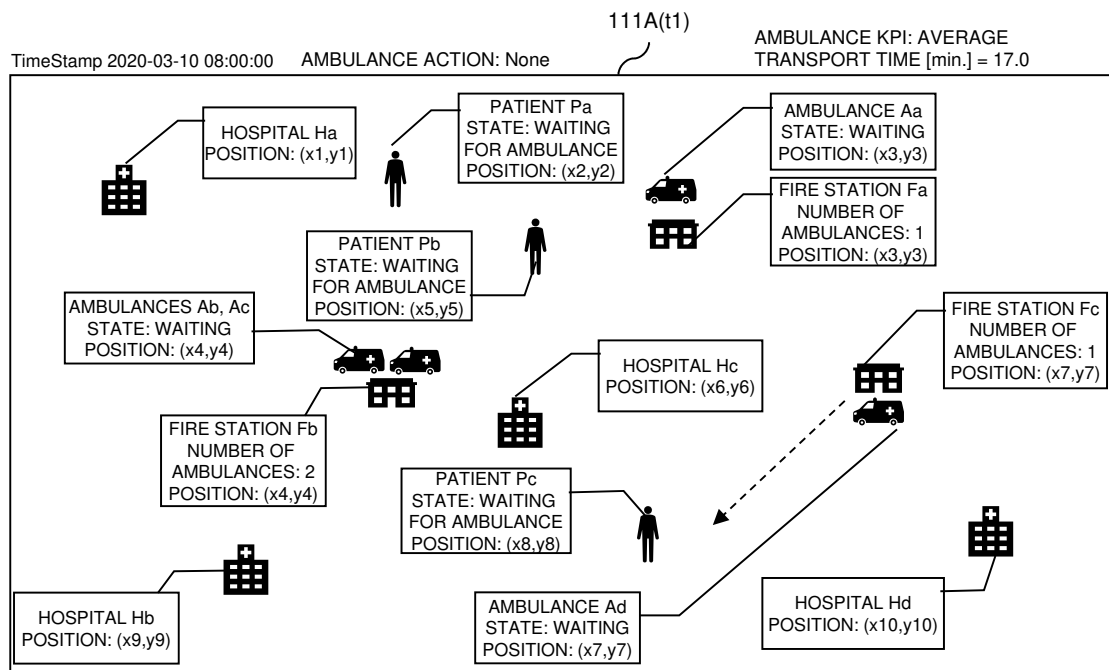


FIG. 3

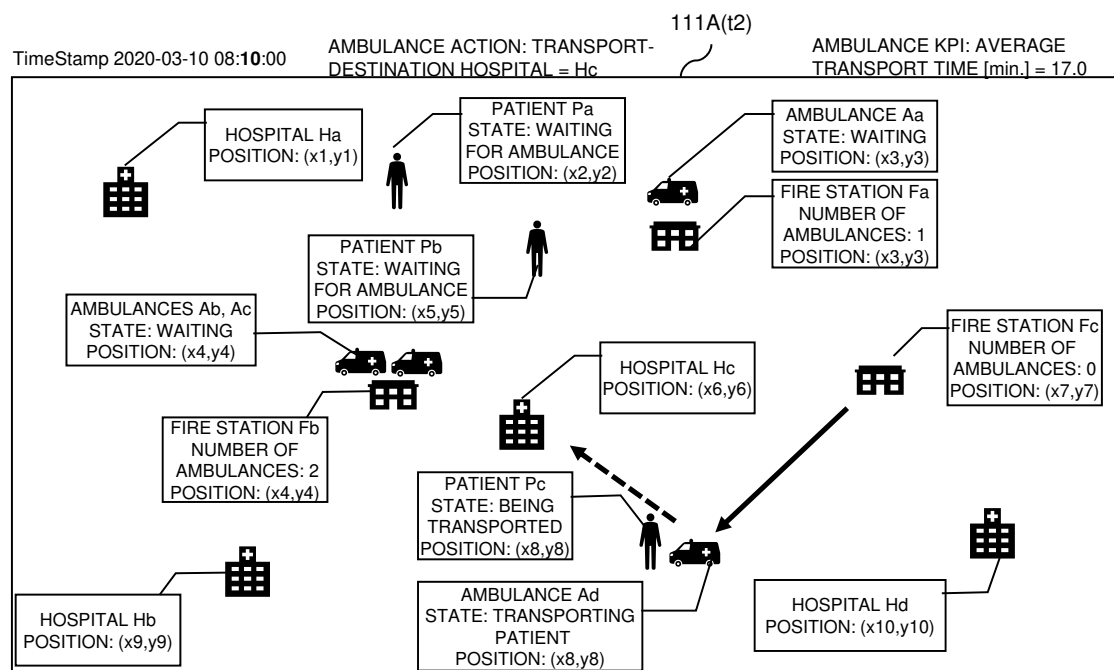


FIG. 4

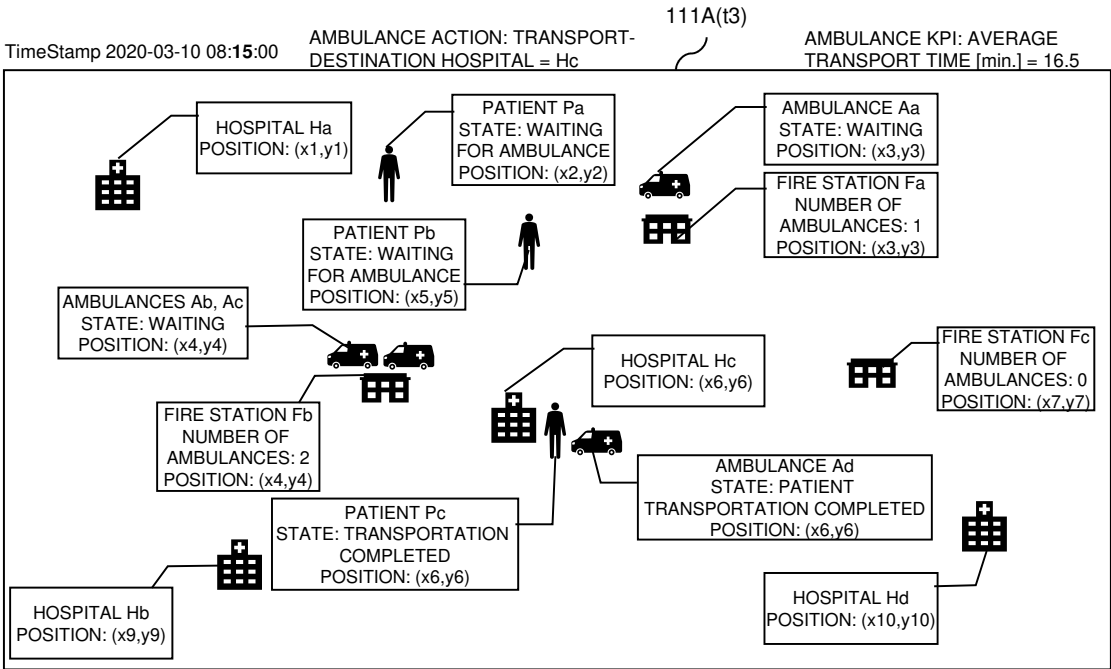


FIG. 5

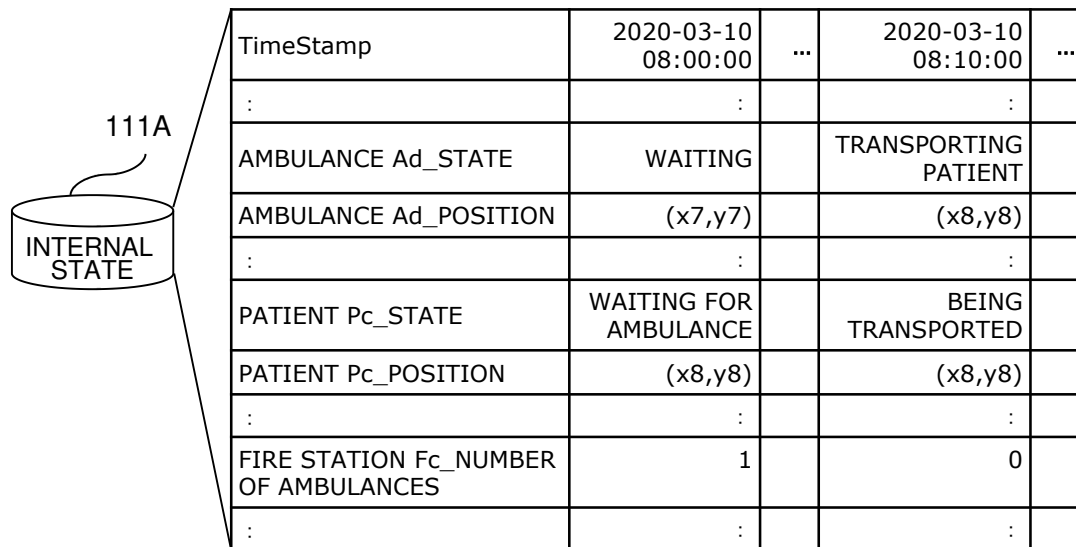


FIG. 6

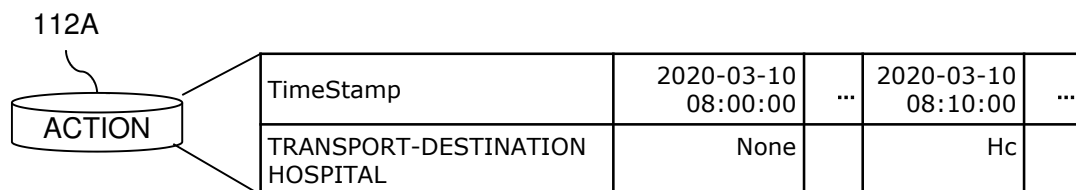


FIG. 7

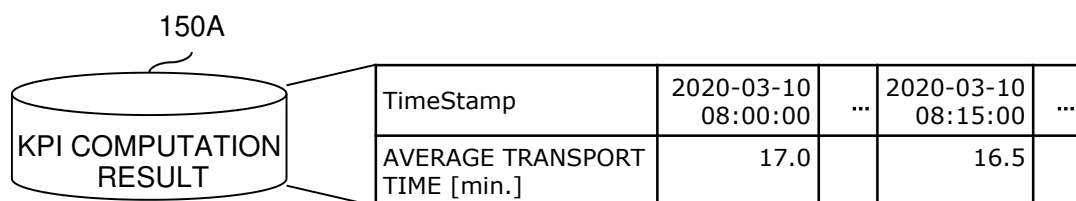


FIG. 8

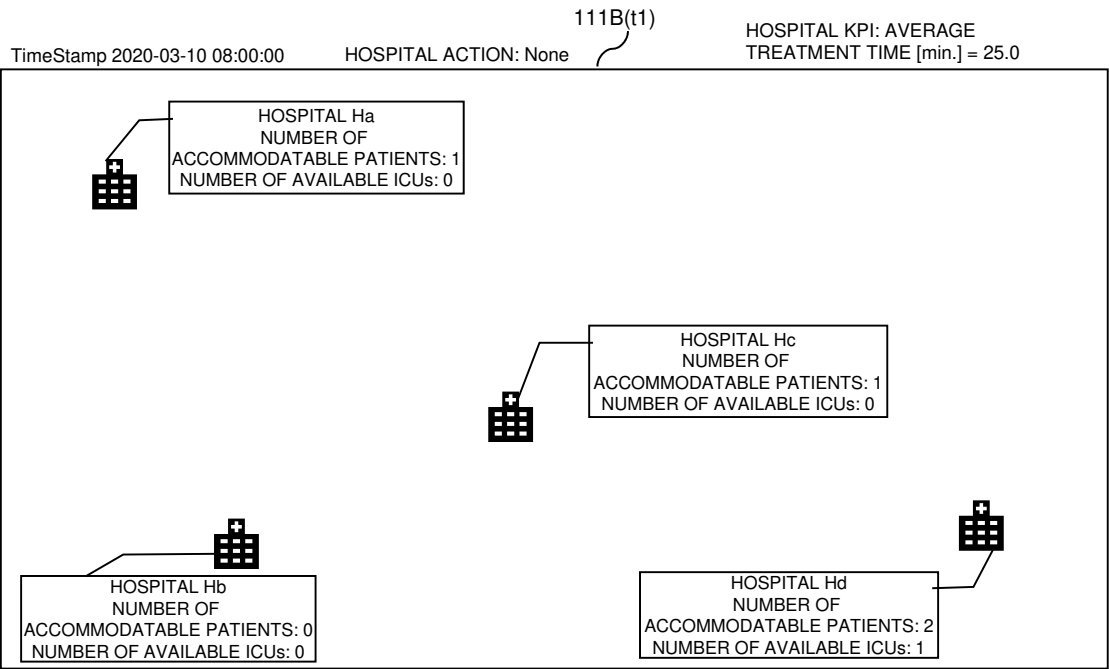


FIG. 9

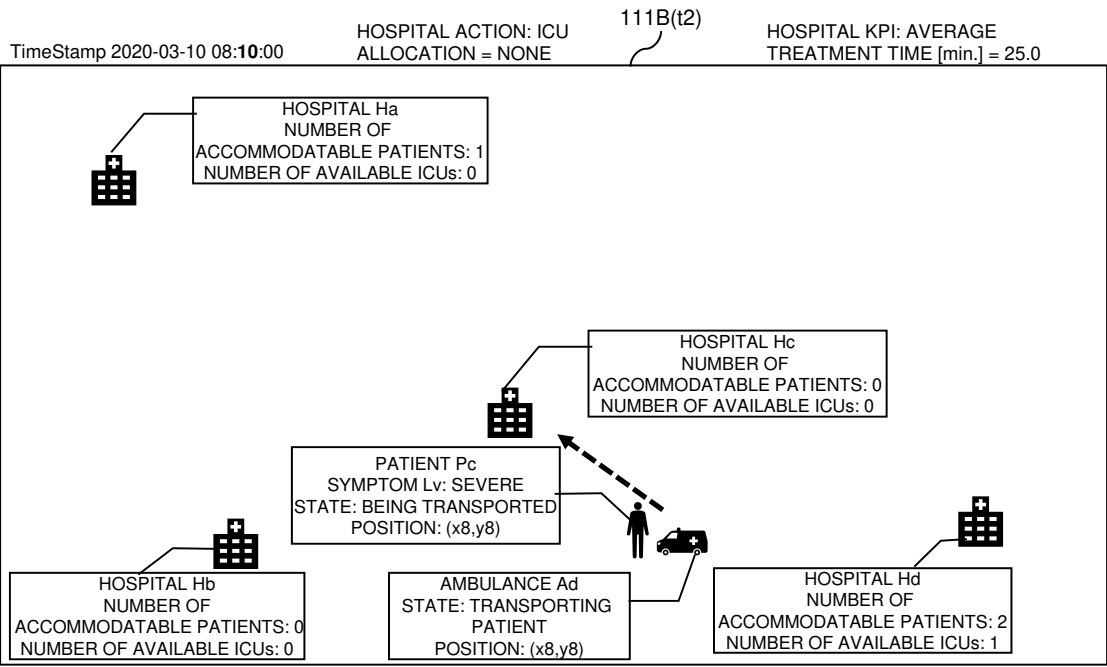


FIG. 10

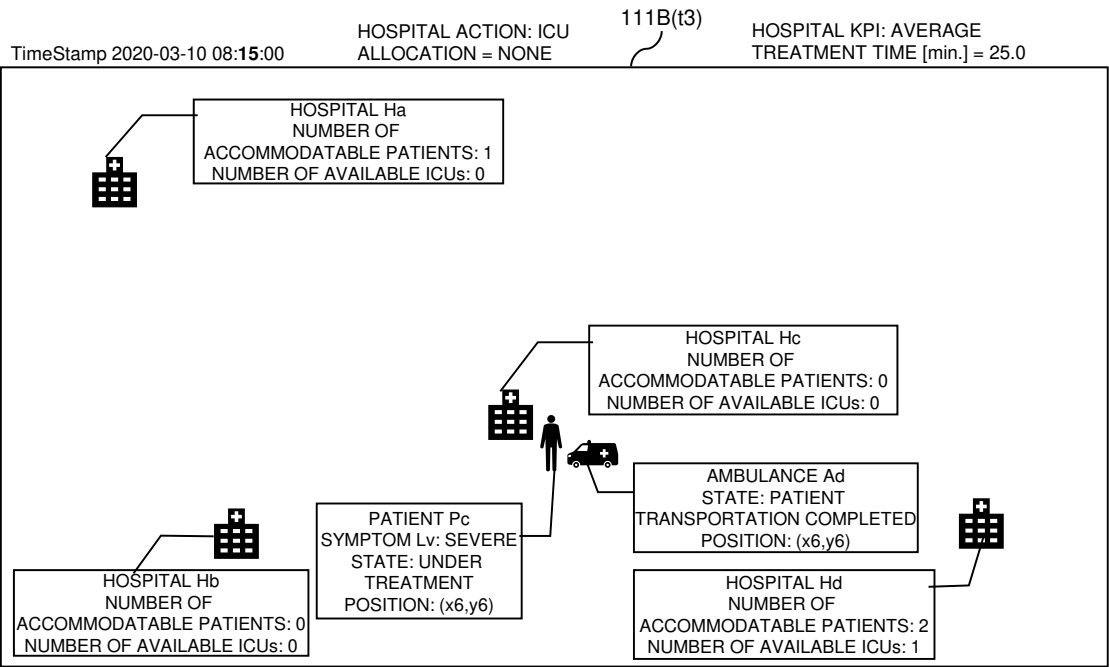


FIG. 11

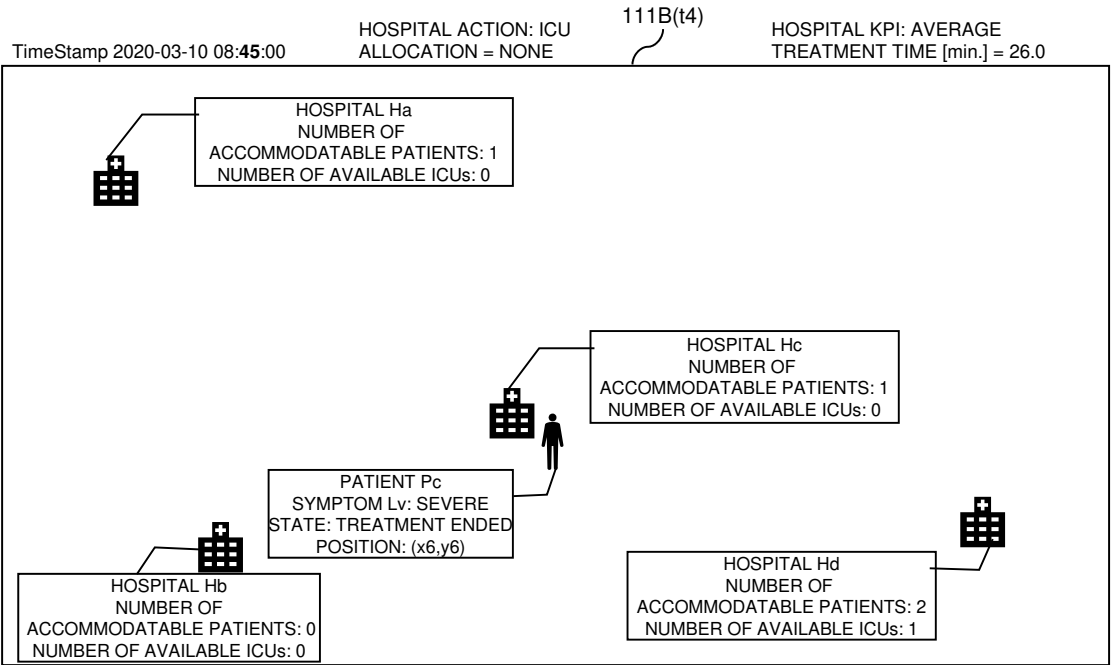


FIG. 12

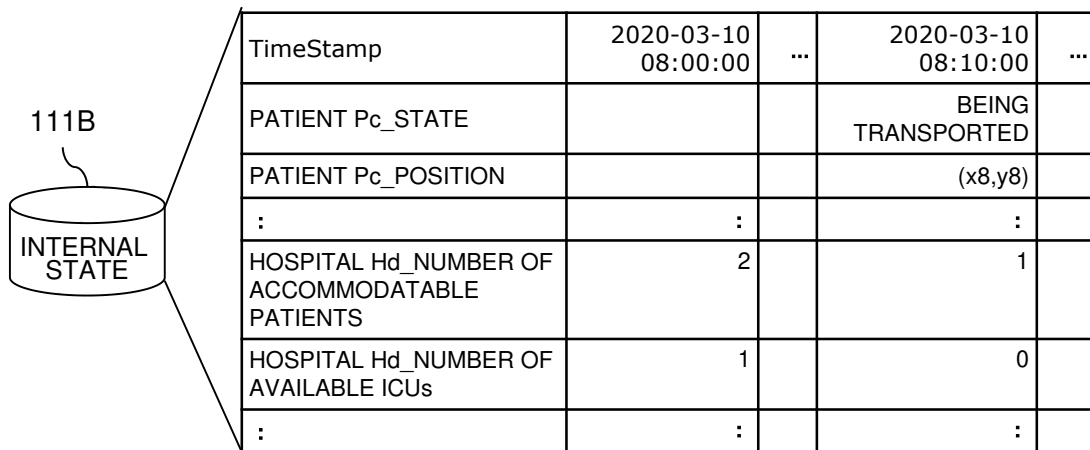


FIG. 13

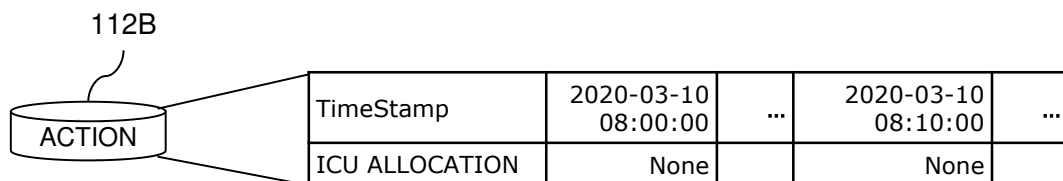


FIG. 14

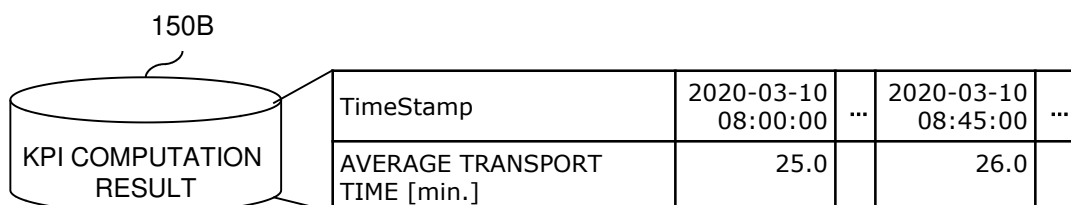


FIG. 15

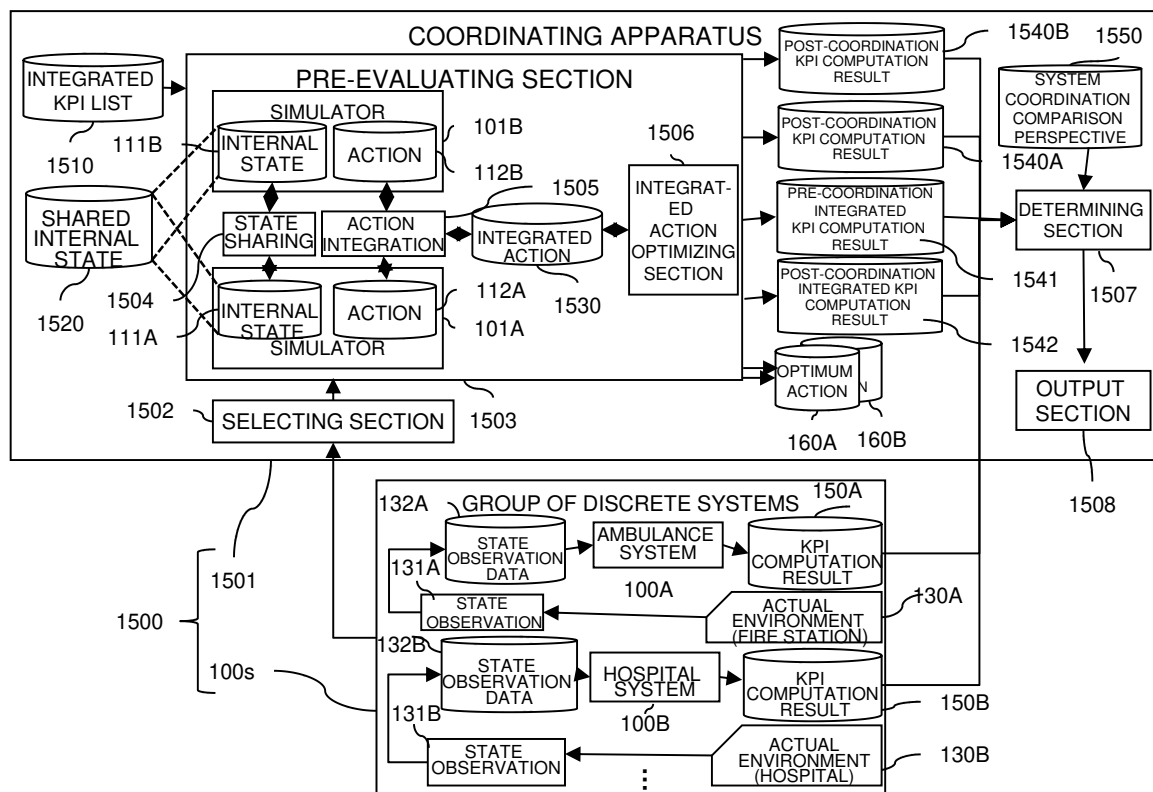


FIG. 16

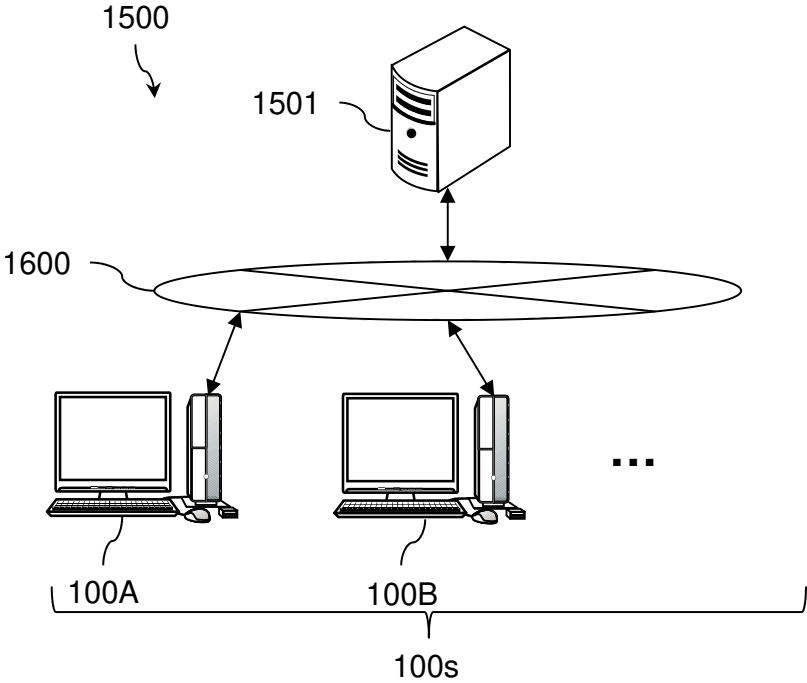


FIG. 17

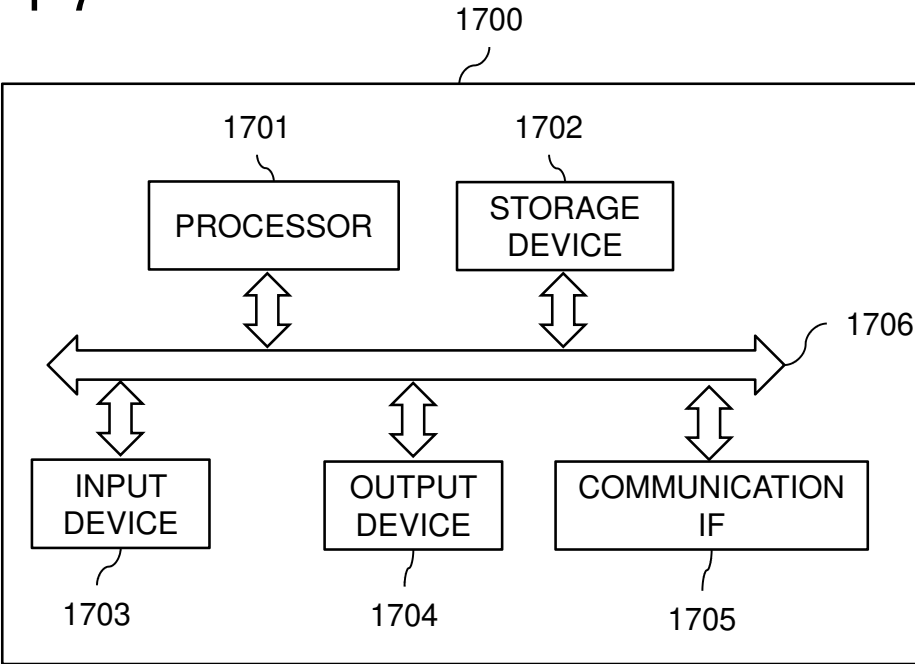


FIG. 18

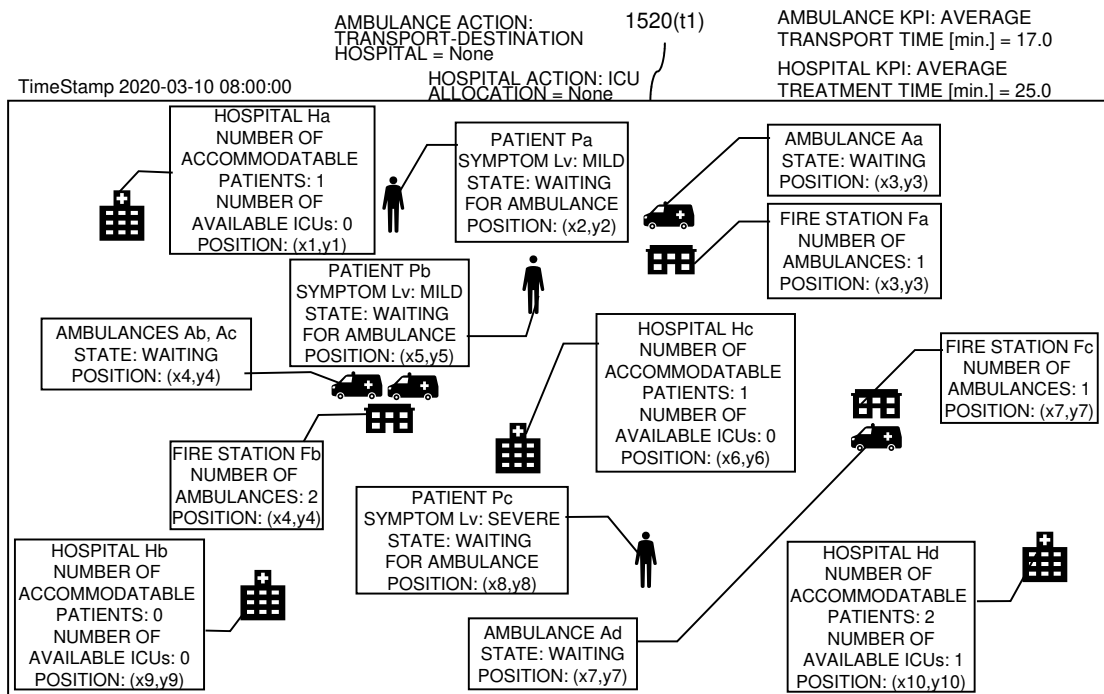


FIG. 19

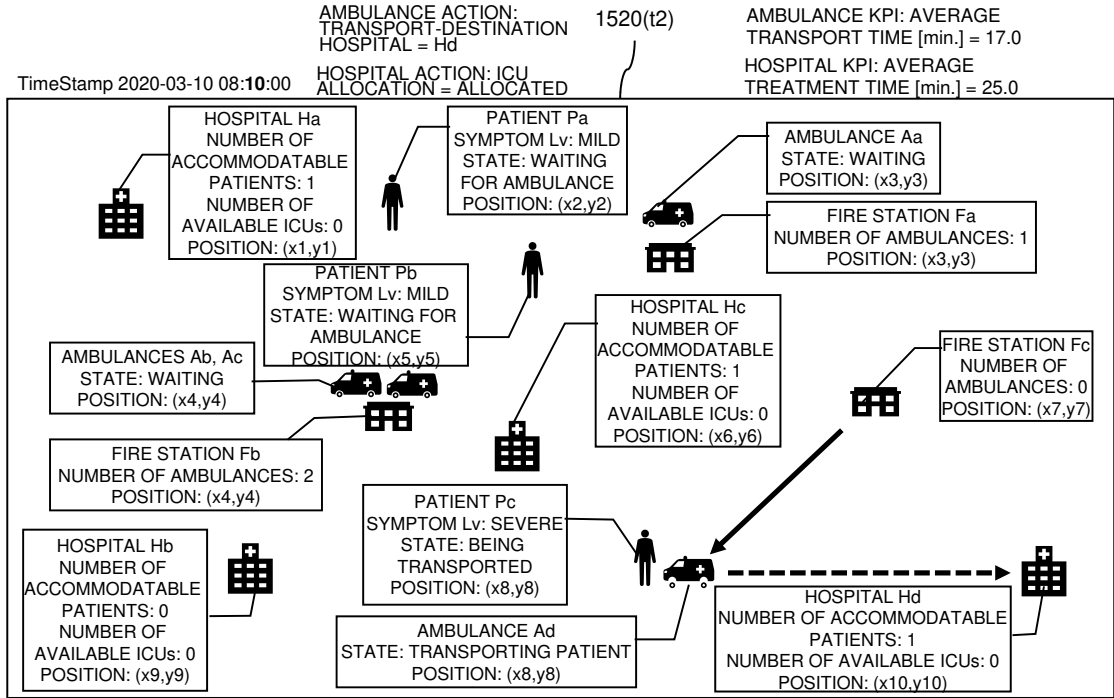
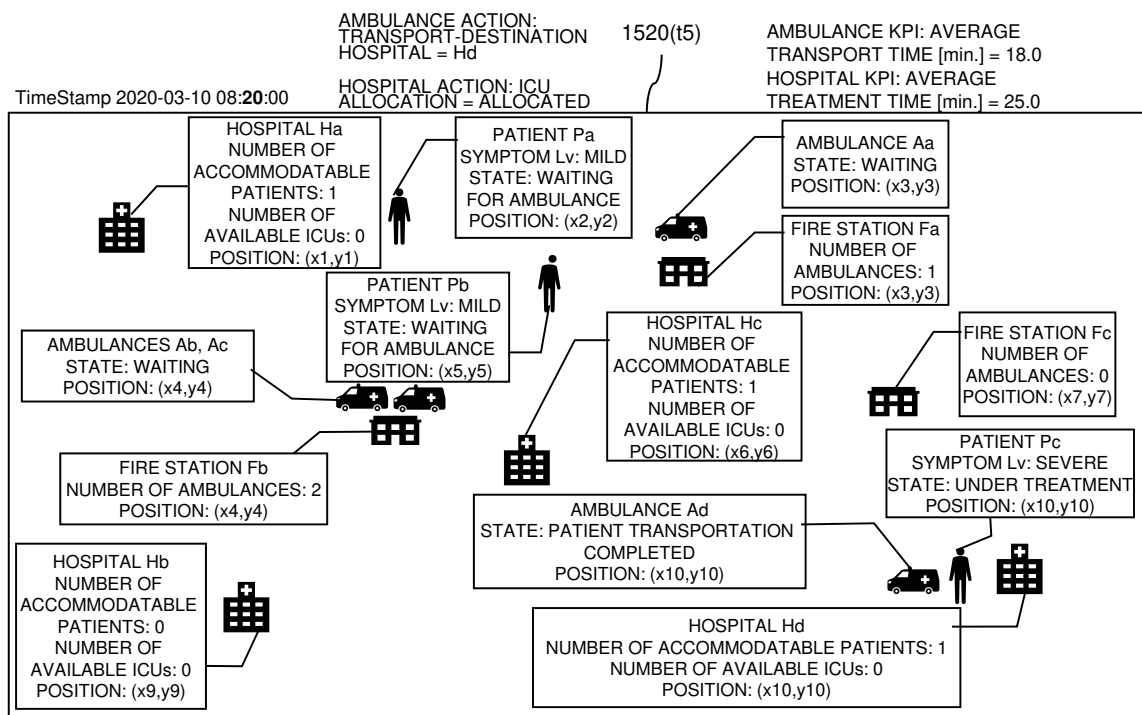


FIG. 20



TimeStamp 2020-03-10 08:38:00

AMBULANCE ACTION: TRANSPORT-DESTINATION
HOSPITAL = Hd

HOSPITAL ACTION: ICU ALLOCATION = ALLOCATED

1520(t6)

AMBULANCE KPI: AVERAGE
TRANSPORT TIME [min.] = 18.0

HOSPITAL KPI: AVERAGE
TREATMENT TIME [min.] = 22.0

HOSPITAL Ha
NUMBER OF ACCOMMODATABLE PATIENTS: 1
NUMBER OF AVAILABLE ICUs: 0
POSITION: (x1,y1)

PATIENT Pa
SYMPTOM Lv: MILD
STATE: WAITING FOR AMBULANCE
POSITION: (x2,y2)

AMBULANCE Aa
STATE: WAITING
POSITION: (x3,y3)

FIRE STATION Fa
NUMBER OF AMBULANCES: 1
POSITION: (x3,y3)

PATIENT Pb
SYMPTOM Lv: MILD
STATE: WAITING FOR AMBULANCE
POSITION: (x5,y5)

HOSPITAL Hc
NUMBER OF ACCOMMODATABLE PATIENTS: 1
NUMBER OF AVAILABLE ICUs: 0
POSITION: (x6,y6)

AMBULANCES Ab, Ac
STATE: WAITING
POSITION: (x4,y4)

FIRE STATION Fb
NUMBER OF AMBULANCES: 2
POSITION: (x4,y4)

FIRE STATION Fc
NUMBER OF AMBULANCES: 1
POSITION: (x7,y7)

PATIENT Pc
SYMPTOM Lv: SEVERE
STATE: TREATMENT ENDED
POSITION: (x10,y10)

HOSPITAL Hb
NUMBER OF ACCOMMODATABLE PATIENTS: 0
NUMBER OF AVAILABLE ICUs: 0
POSITION: (x9,y9)

AMBULANCE Ad
STATE: WAITING
POSITION: (x7,y7)

HOSPITAL Hd
NUMBER OF ACCOMMODATABLE PATIENTS: 2
NUMBER OF AVAILABLE ICUs: 1
POSITION: (x10,y10)

INTEGRATED KPI [min.] : AVERAGE TRANSPORT TIME + AVERAGE TREATMENT TIME= 40.0

FIG. 22

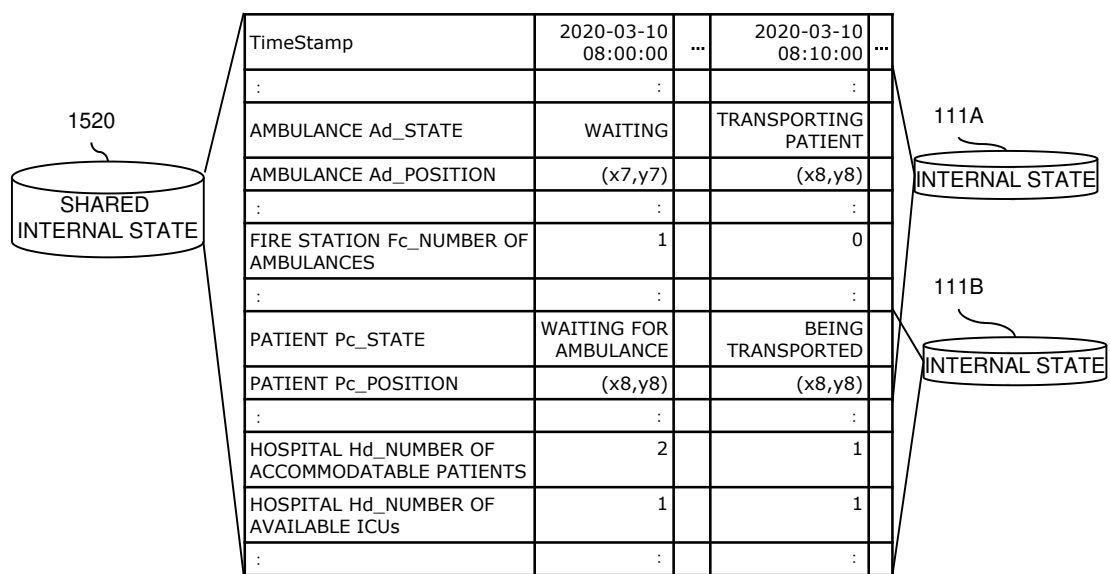


FIG. 23

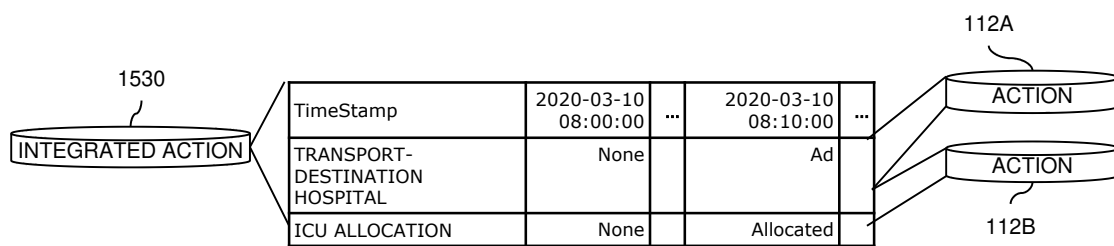


FIG. 24

1541

PRE-COORDINATION INTEGRATED KPI COMPUTATION RESULT	TimeStamp	2020-03-10 08:00:00	...	2020-03-10 08:45:00	...
	AVERAGE TRANSPORT TIME + AVERAGE TREATMENT TIME [min.]	42.0		42.5	

FIG. 25

1542

POST-COORDINATION INTEGRATED KPI COMPUTATION RESULT	TimeStamp	2020-03-10 08:00:00	...	2020-03-10 08:38:00	...
	AVERAGE TRANSPORT TIME + AVERAGE TREATMENT TIME [min.]	42.0		40.0	

FIG. 26

1540A

POST-COORDINATION KPI COMPUTATION RESULT	TimeStamp	2020-03-10 08:00:00	...	2020-03-10 08:20:00	...
	AVERAGE TRANSPORT TIME [min.]	17.0		18.0	

FIG. 27

1540B

POST-COORDINATION KPI COMPUTATION RESULT	TimeStamp	2020-03-10 08:00:00	...	2020-03-10 08:38:00	...
	AVERAGE TRANSPORT TIME [min.]	25.0		22.0	

FIG. 28

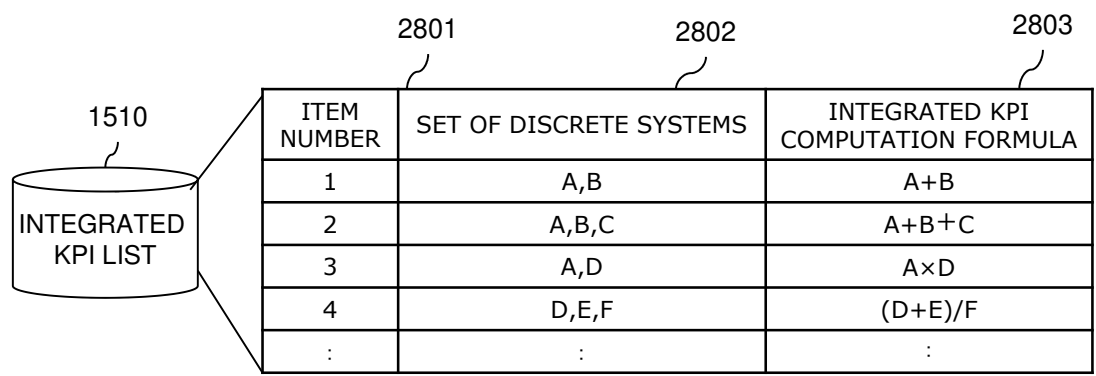


FIG. 29

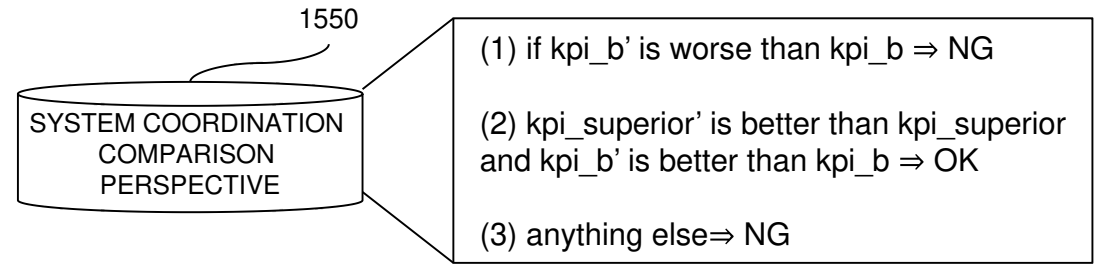
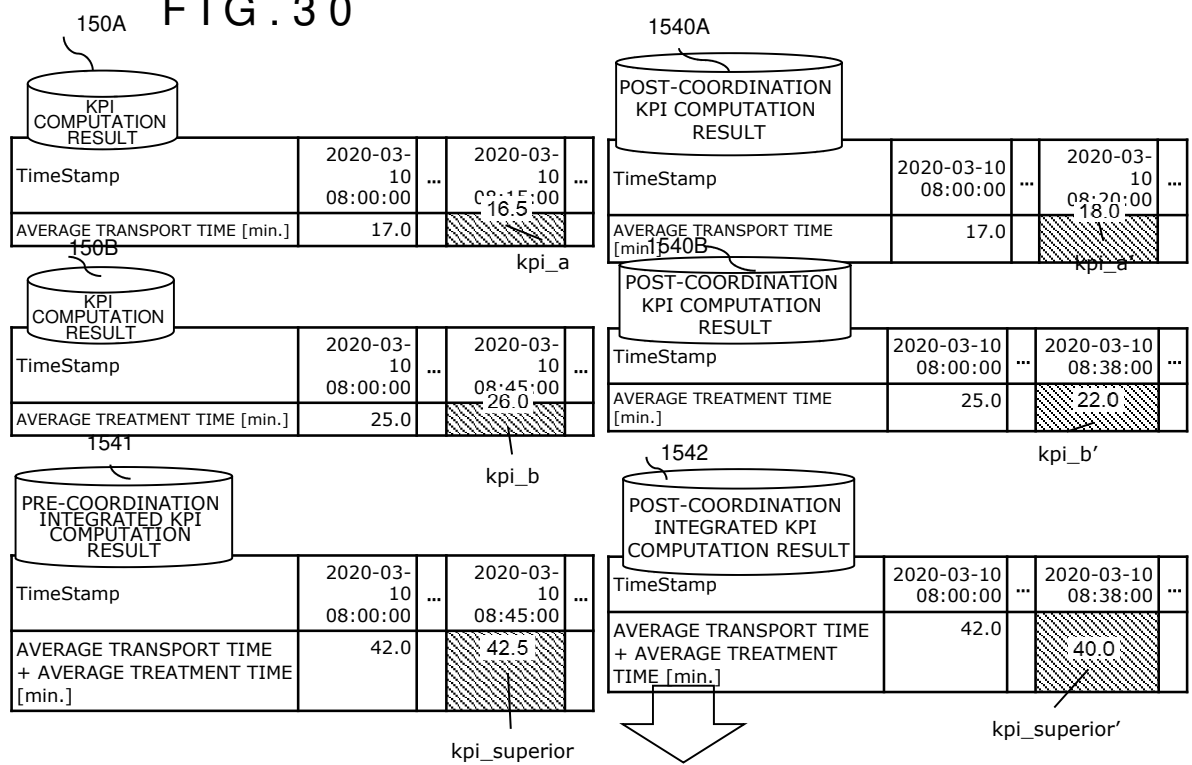


FIG. 30



(2) IS SATISFIED ⇒ OK

FIG. 31

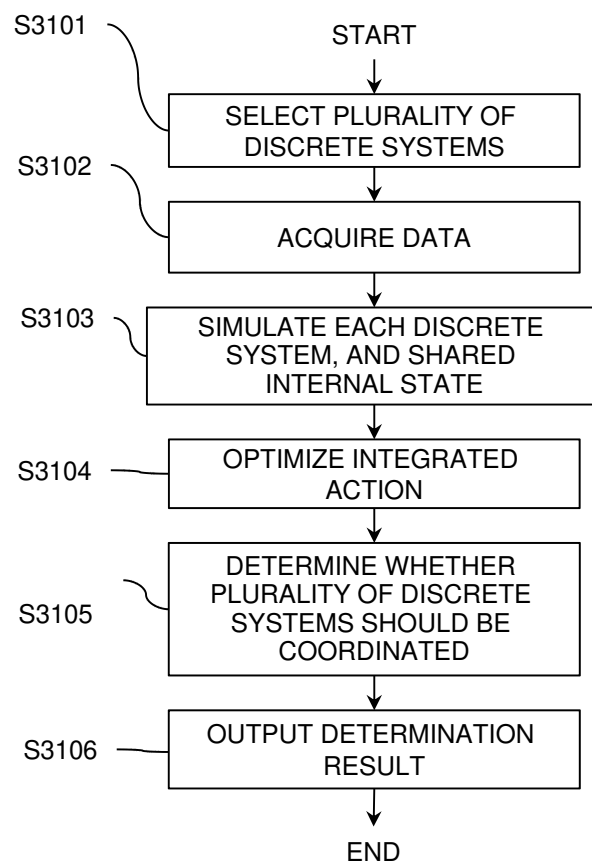


FIG. 32

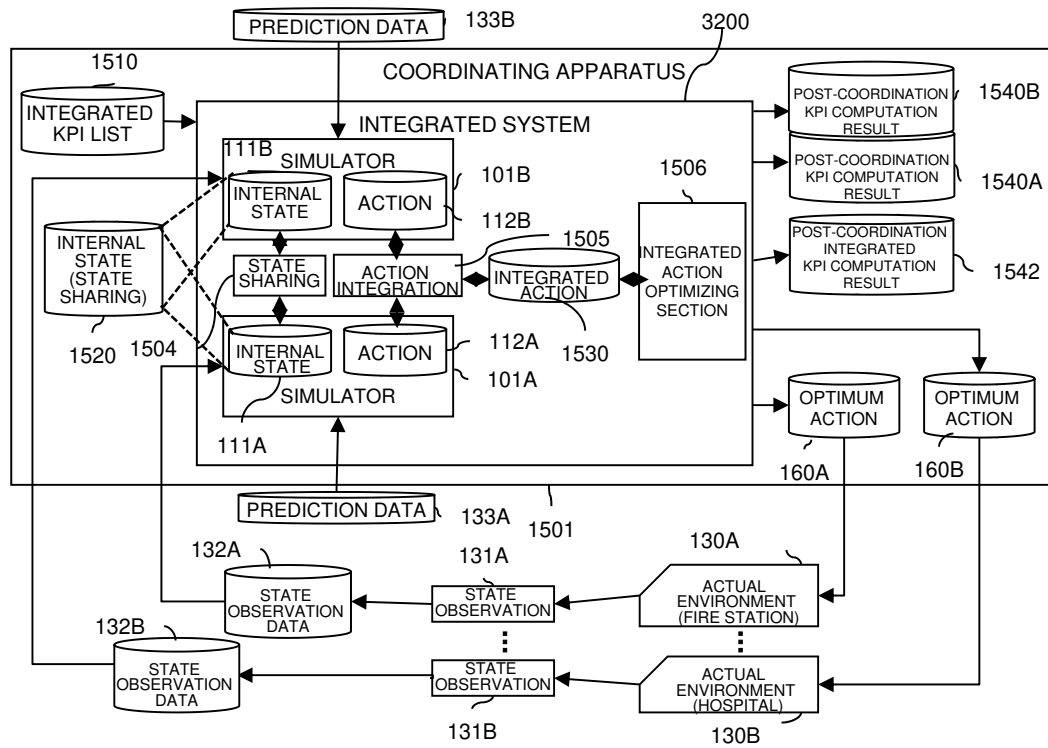


FIG. 33

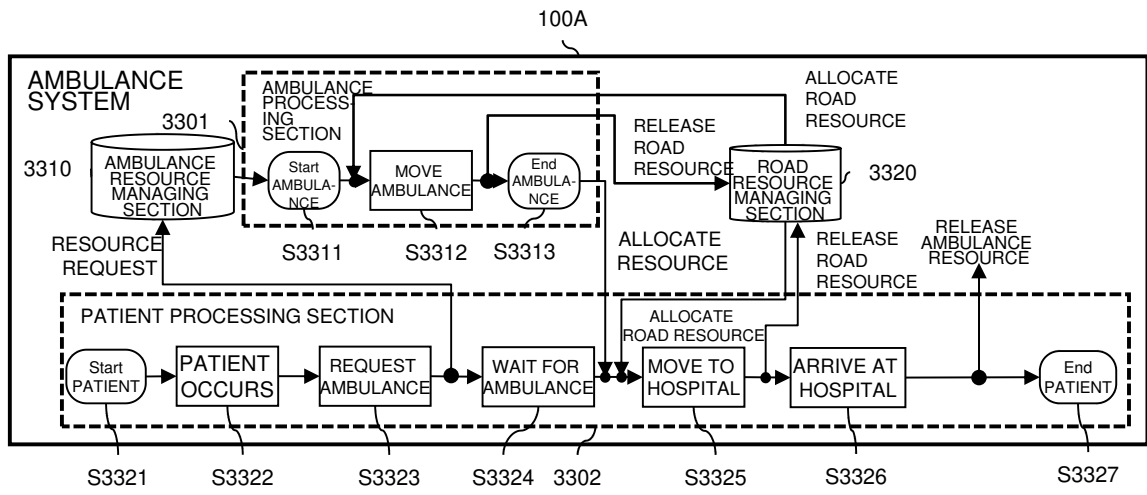


FIG. 34

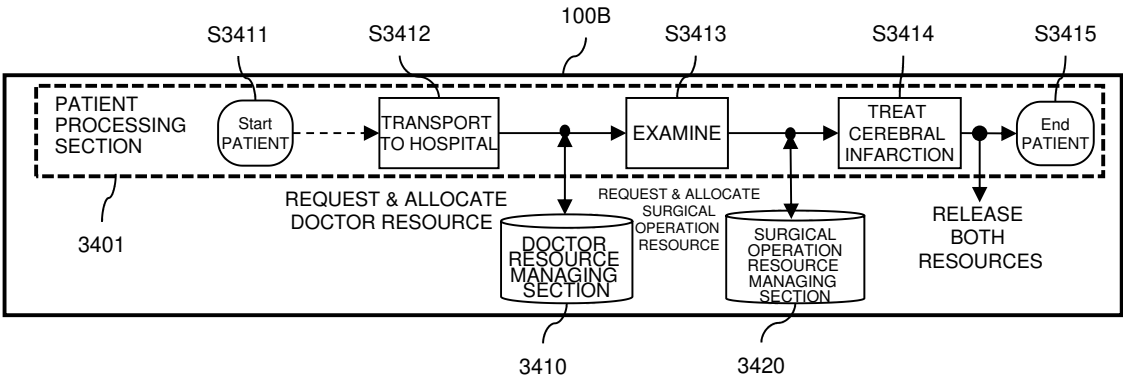


FIG. 35

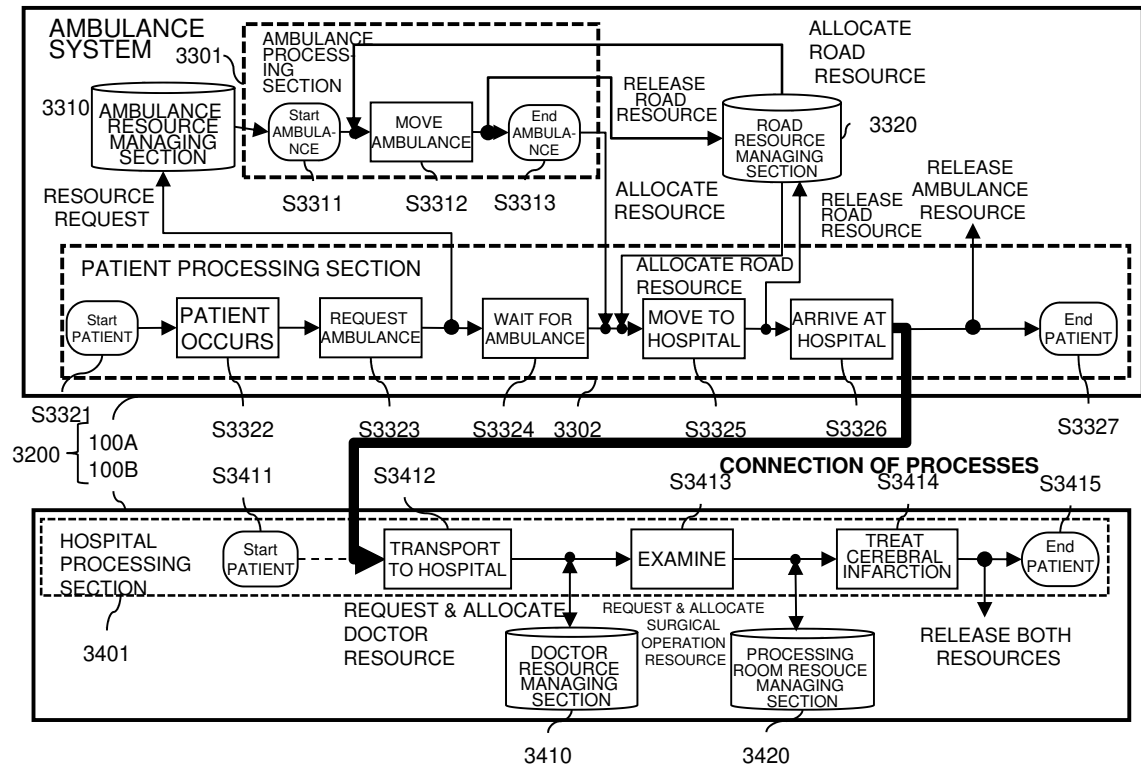


FIG. 36

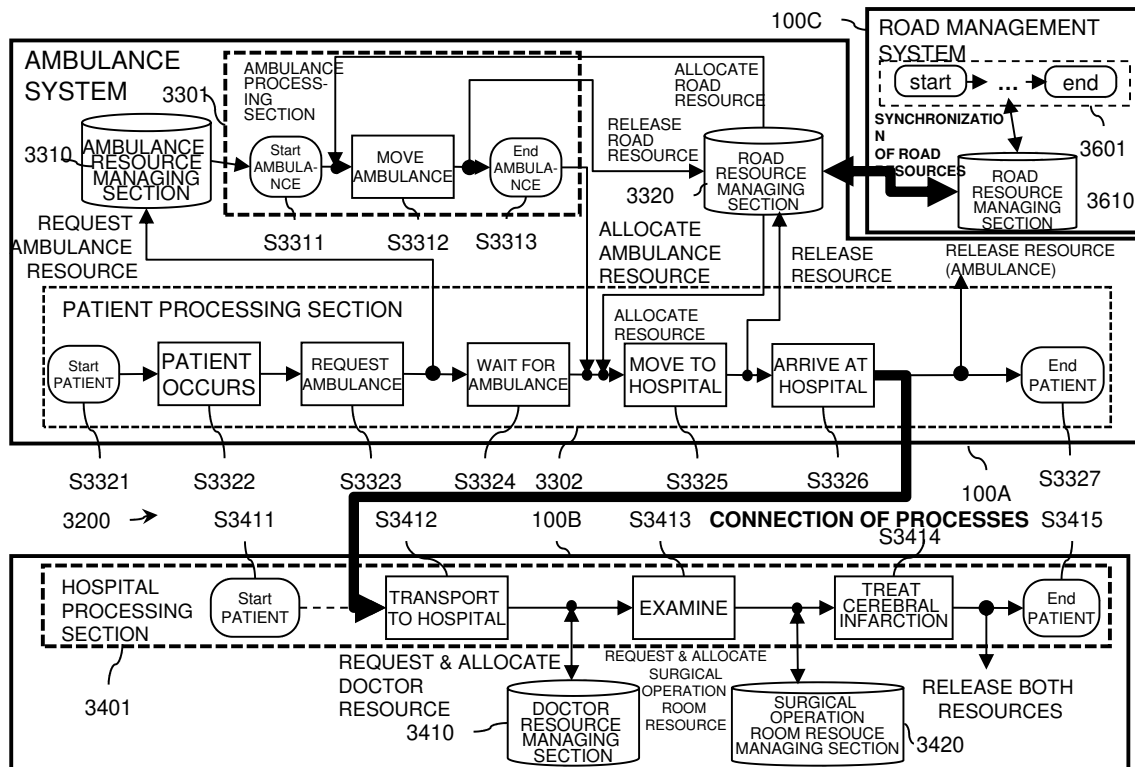


FIG. 37

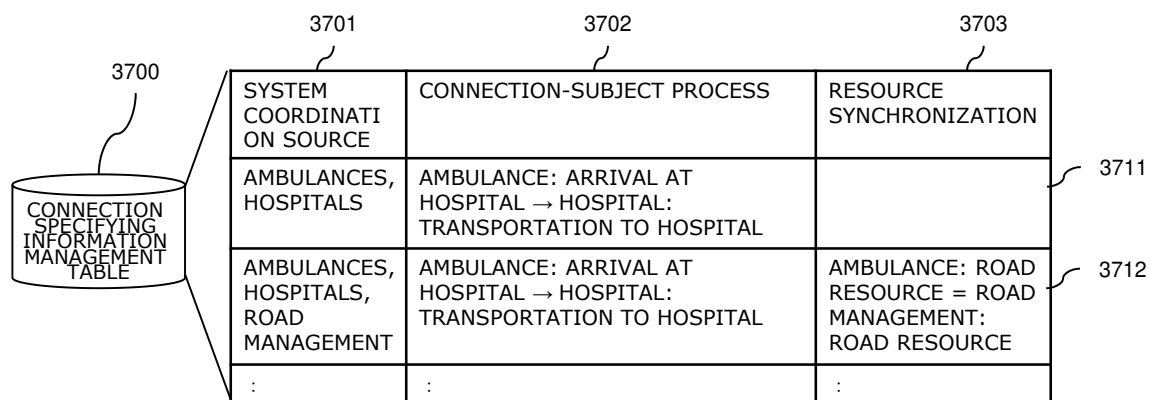


FIG. 38

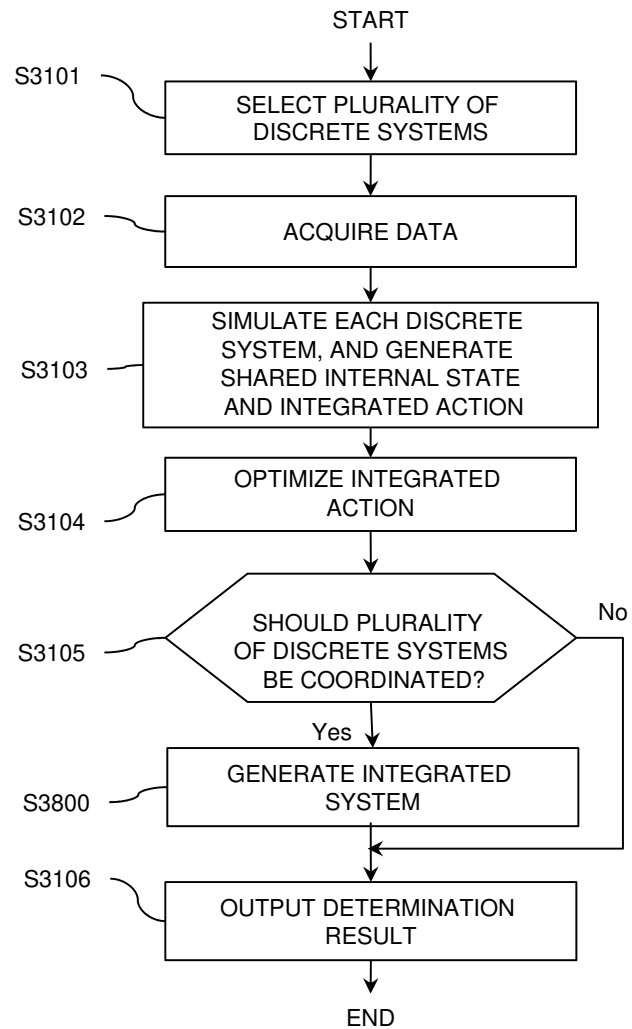


FIG. 39

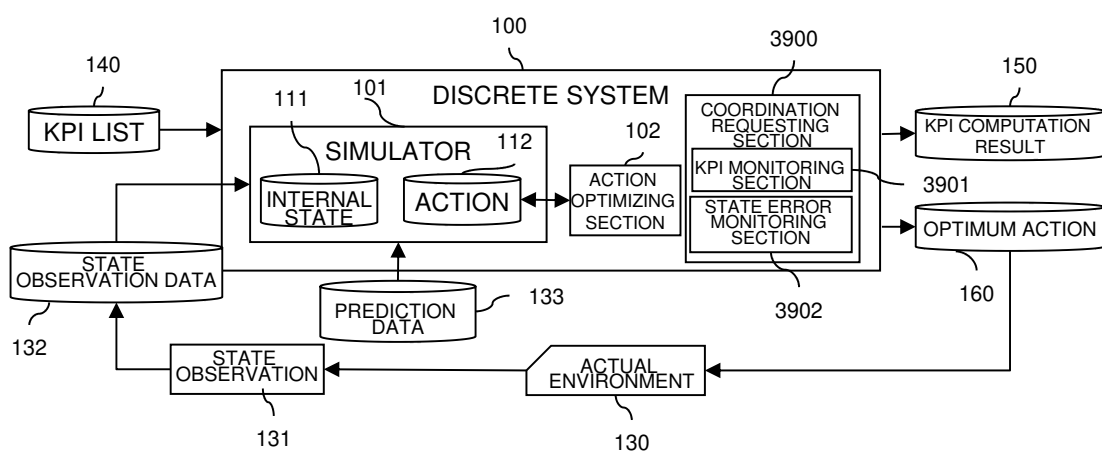


FIG. 40

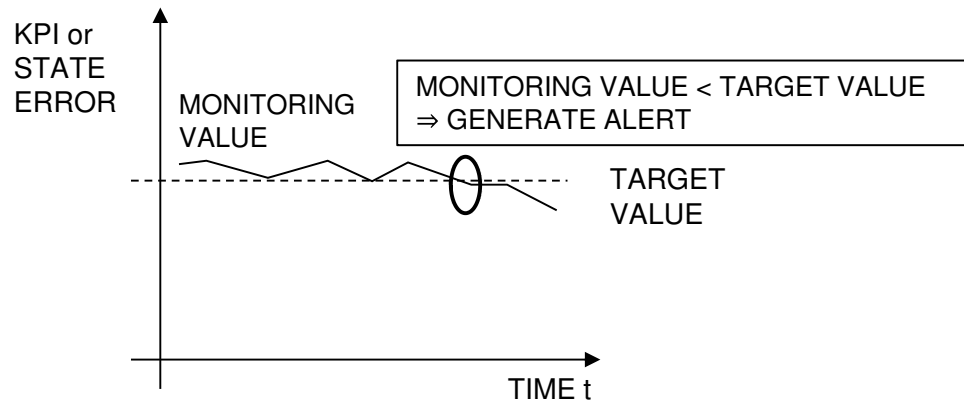


FIG. 41

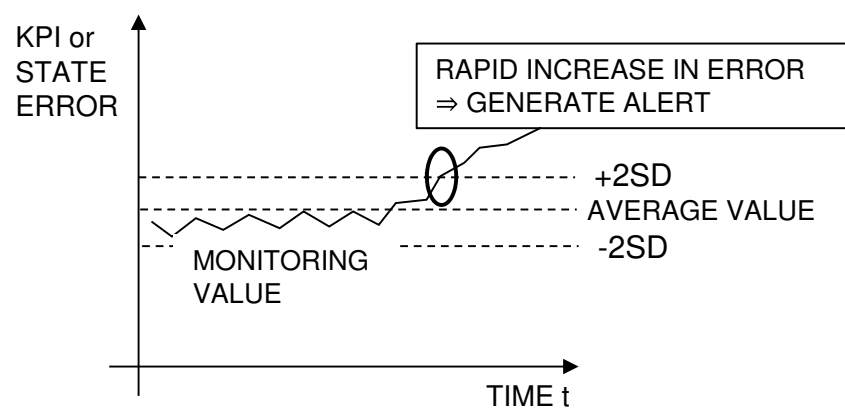


FIG. 42

