

Pattern No.	1	2	3	4	5	6	7	8
Assignment request call	A	A	A	A	B	B	B	B
First virtual call	A	A	B	B	A	A	B	B
Second virtual call	A	B	A	B	A	B	A	B

FIG. 1

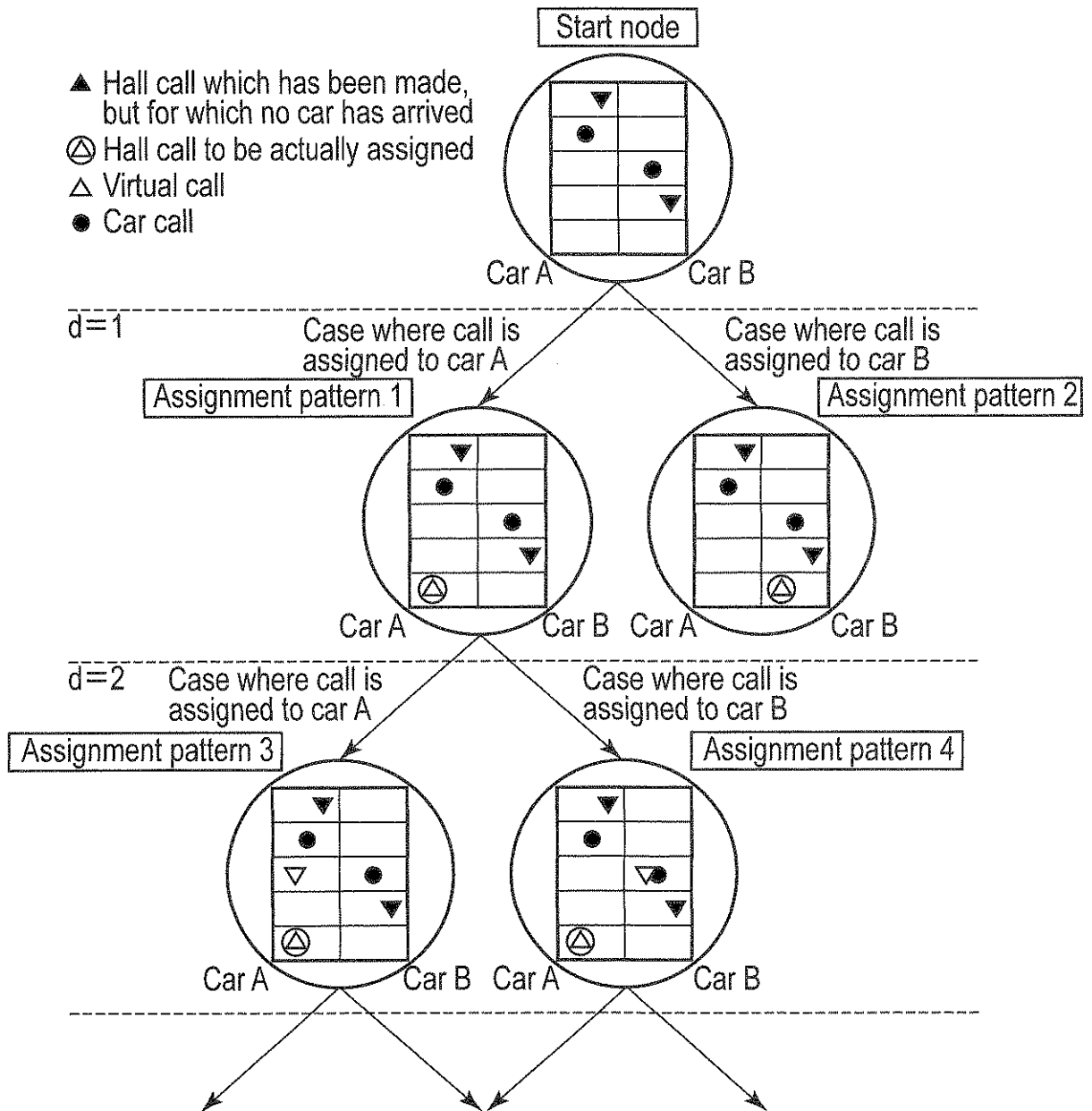


FIG. 2

Pattern No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Assignment request call	-	A	B	A	A	B	B	A	A	A	A	B	B	B	B
First virtual call	-	-	-	A	B	A	B	A	A	B	B	A	A	B	B
Second virtual call	-	-	-	-	-	-	-	A	B	A	B	A	B	A	B

FIG. 3

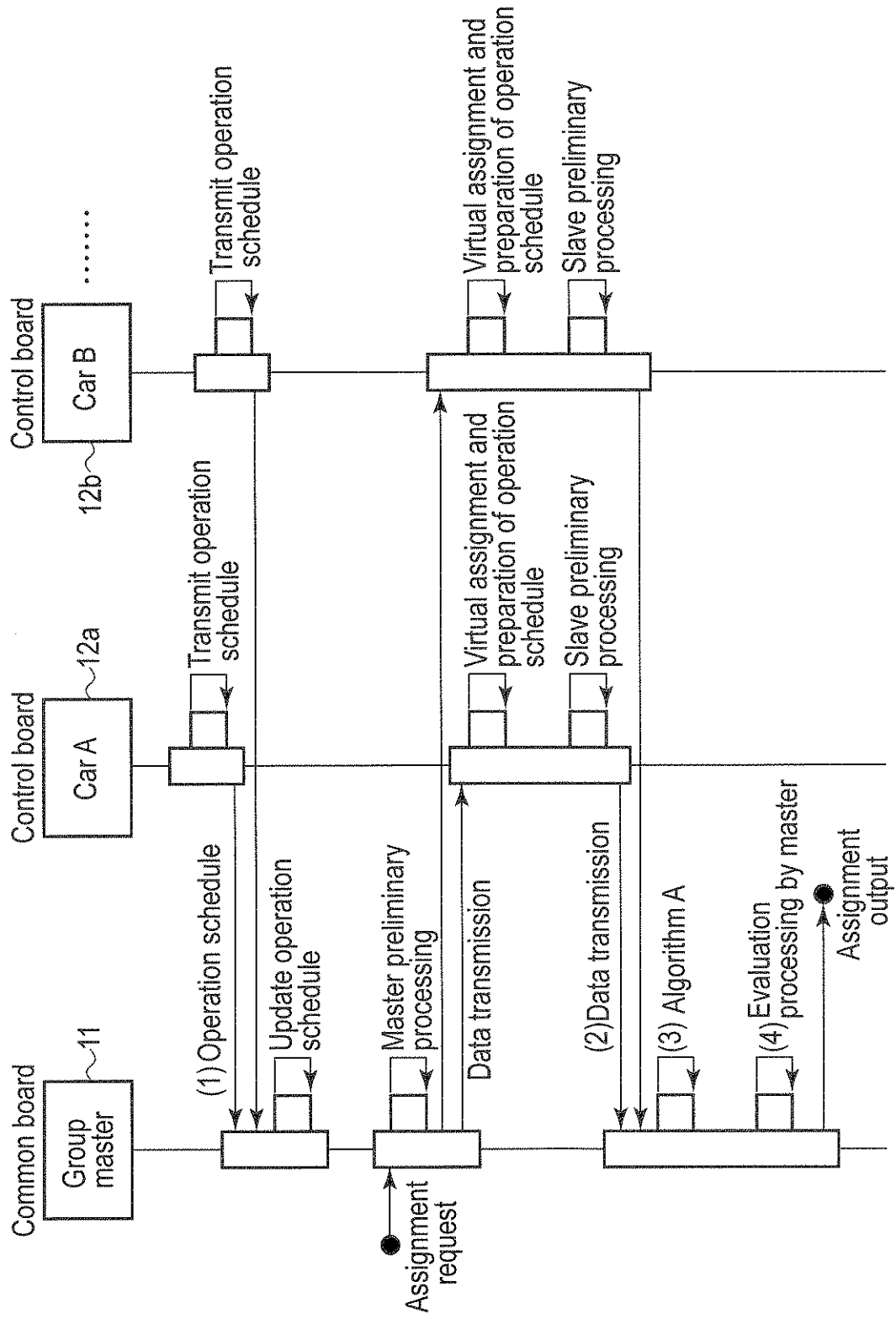


FIG. 4

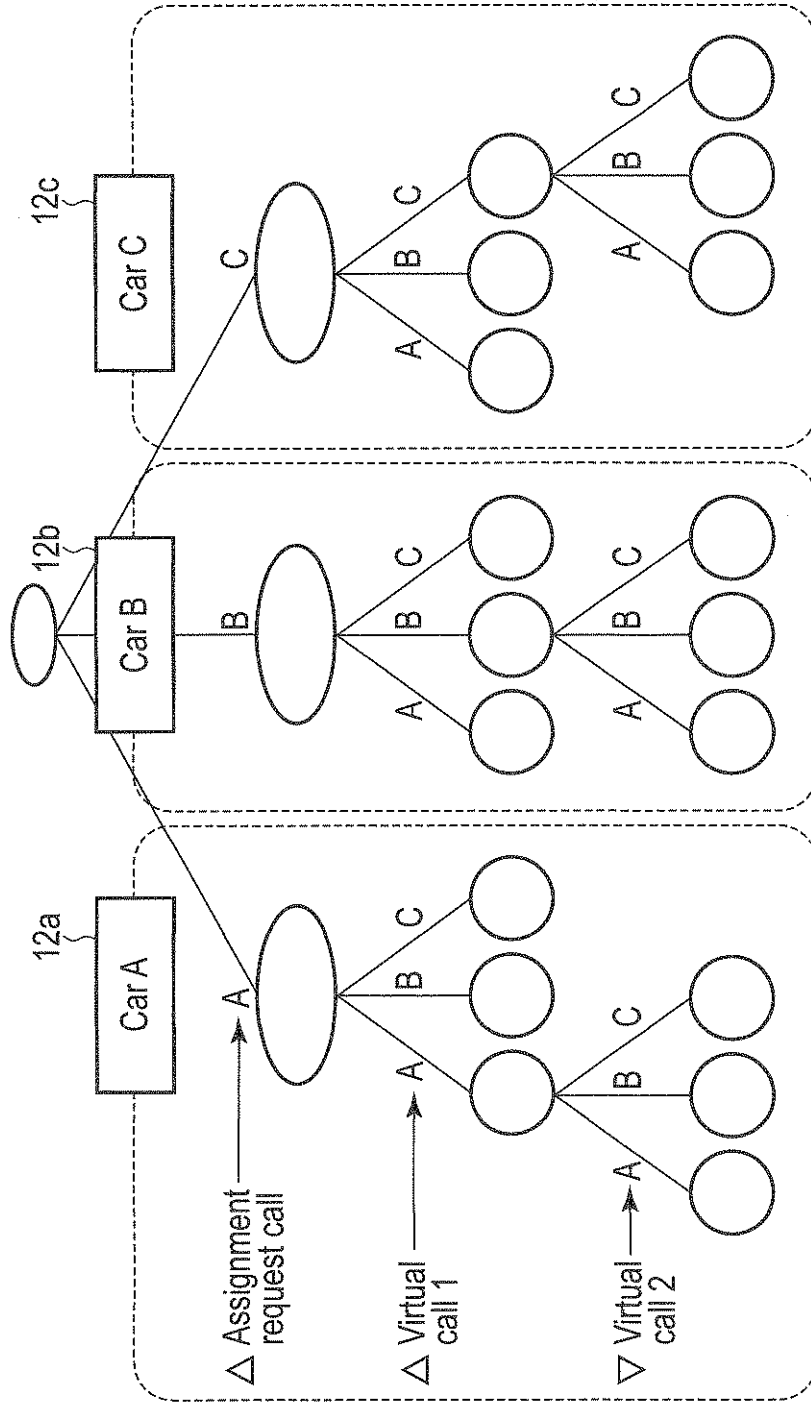


FIG. 5

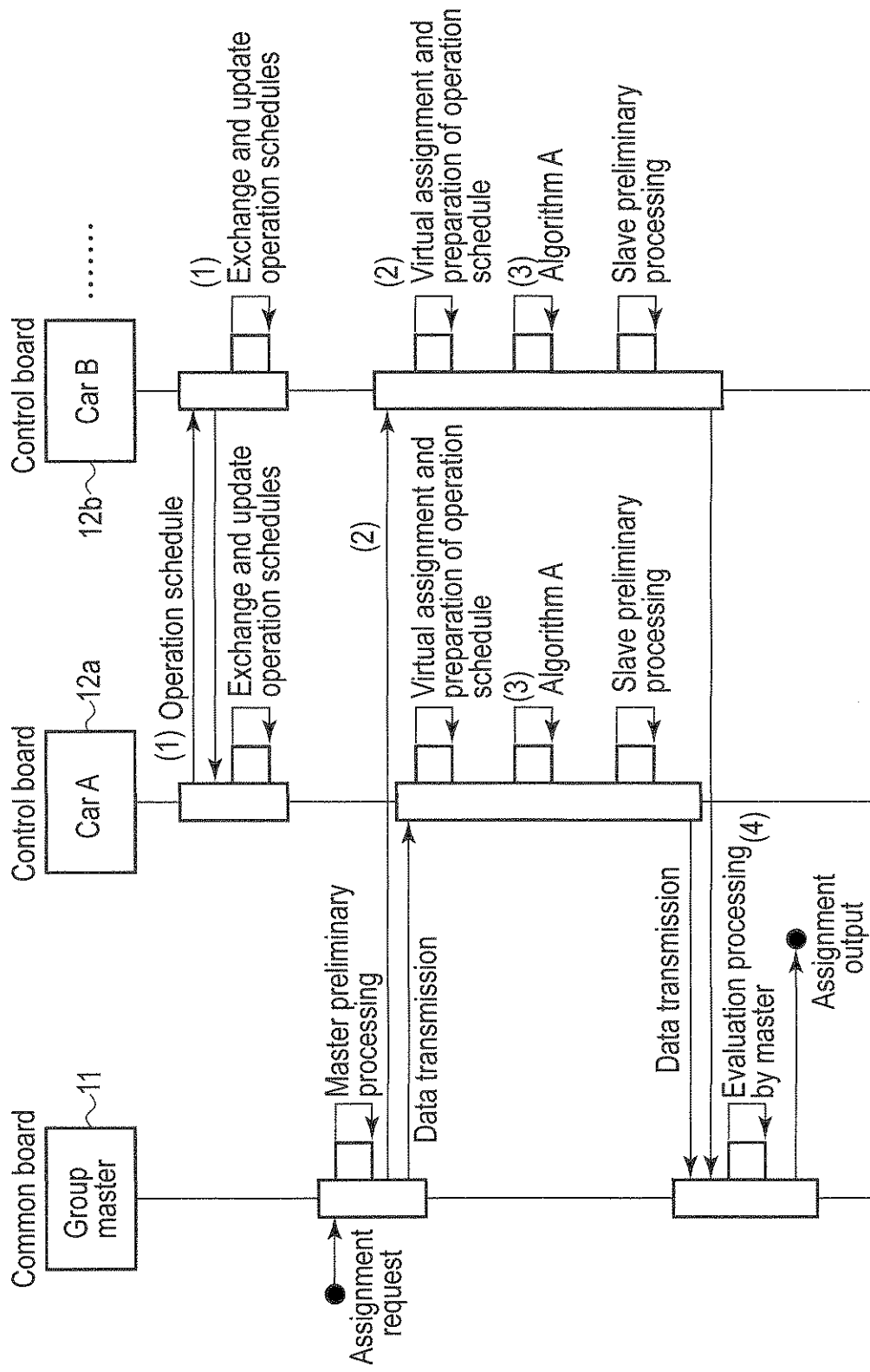


FIG. 6

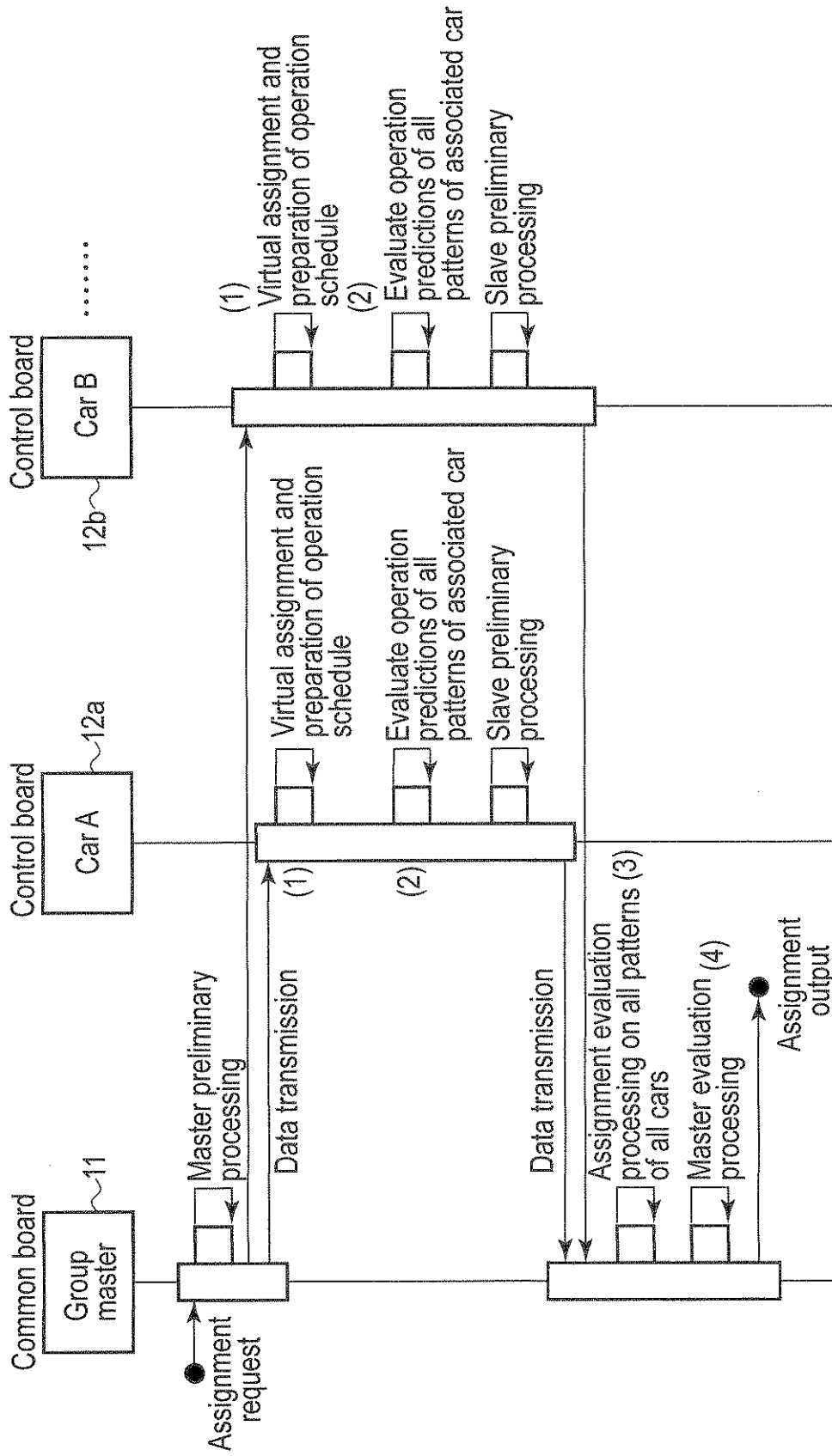


FIG. 7

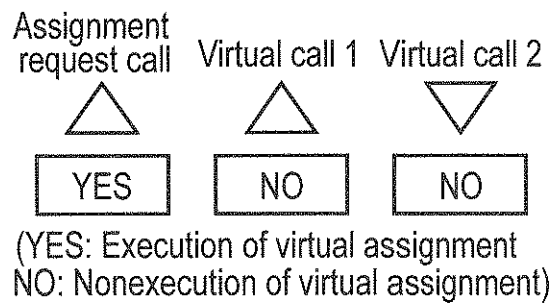


FIG. 8

→Independent pattern No.	1	2	3	4	5	6	7	8
New call (assignment request call)	N	N	N	N	Y	Y	Y	Y
Virtual call 1	N	N	Y	Y	N	N	Y	Y
Virtual call 2	N	Y	N	Y	N	Y	N	Y

(Y: Execution of virtual assignment N: Nonexecution of virtual assignment)

FIG. 9

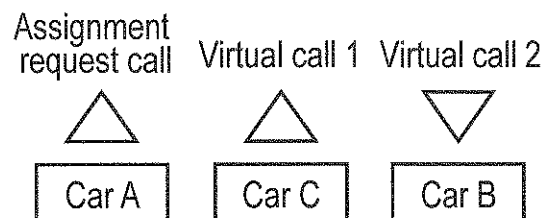


FIG. 10

→Combined pattern No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Car to which new call is virtually assigned	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	C	C	C	C	C	C	C	C	C
Car to which virtual call 1 is virtually assigned	A	A	A	B	B	B	C	C	C	A	A	A	B	B	B	C	C	C	A	A	A	B	B	B	C	C	C
Car to which virtual call 2 is virtually assigned	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Predicted case of car A	8	7	7	6	5	5	6	5	5	4	3	3	2	1	1	2	1	1	4	3	3	2	1	1	2	1	1
Predicted case of car B	1	2	1	3	4	3	1	2	1	5	6	5	7	8	7	5	6	5	1	2	1	3	4	3	1	2	1
Predicted case of car C	1	1	2	1	1	2	3	3	4	1	1	2	1	1	2	3	3	4	5	5	6	5	5	6	7	7	8

FIG. 11

(Na) State in which neither new call nor virtual call is subjected to virtual assignment

	Predicted pattern of car A	Predicted pattern of car B	Predicted pattern of car C
New call	N	N	N
Virtual call 1	N	N	N
Virtual call 2	N	N	N
Independent pattern	1	1	1

To car A (Nc) To car B (Nd) To car C

(Nb)

	Predicted pattern of car A	Predicted pattern of car B	Predicted pattern of car C
New call	Y	N	N
Virtual call 1	N	N	N
Virtual call 2	N	N	N
Independent pattern	5	1	1

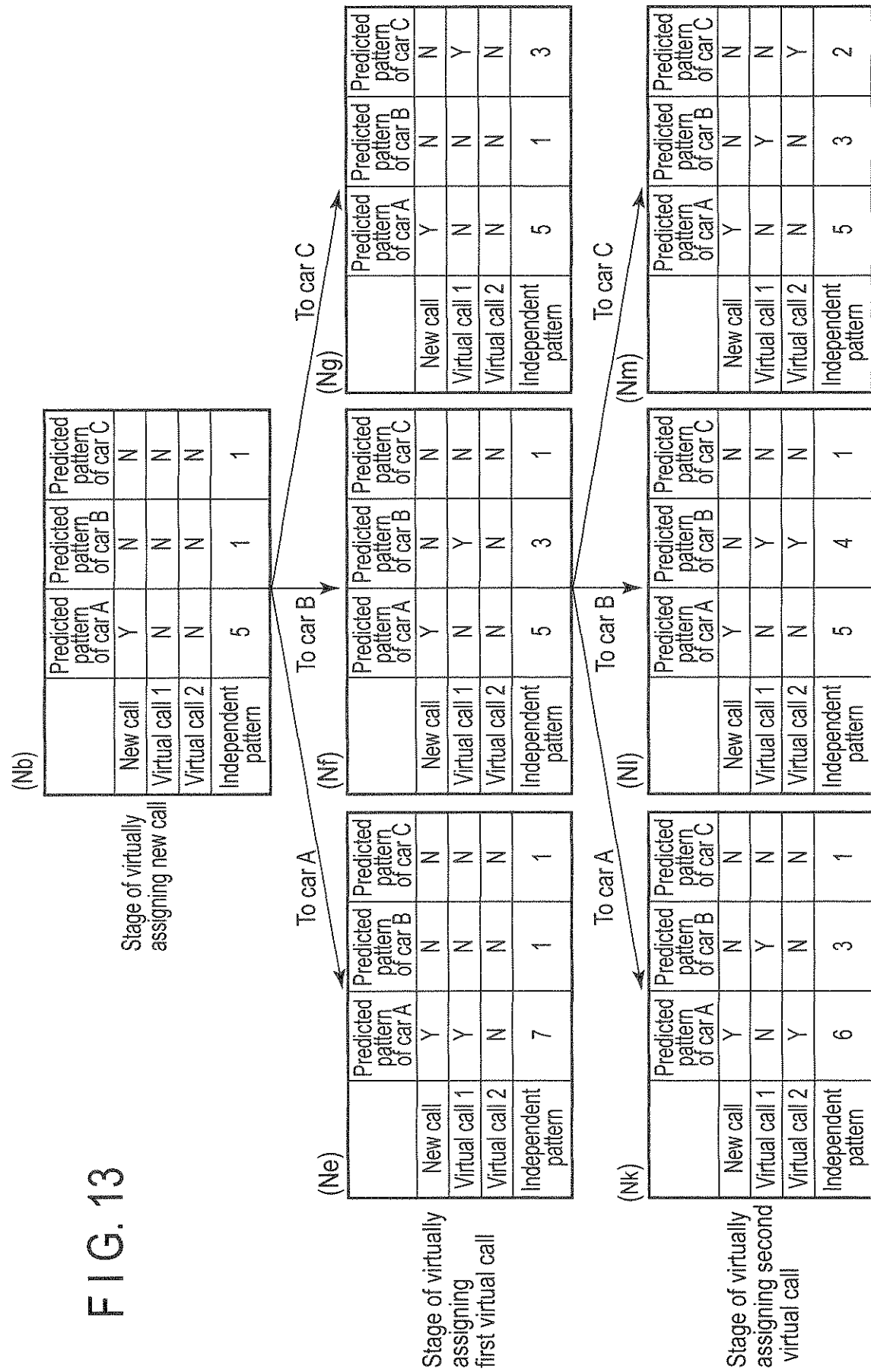
Stage of virtually assigning new call

	Predicted pattern of car A	Predicted pattern of car B	Predicted pattern of car C
New call	N	Y	N
Virtual call 1	N	N	N
Virtual call 2	N	N	N
Independent pattern	1	5	1

	Predicted pattern of car A	Predicted pattern of car B	Predicted pattern of car C
New call	N	N	Y
Virtual call 1	N	N	N
Virtual call 2	N	N	N
Independent pattern	1	1	5

FIG. 12

FIG. 13



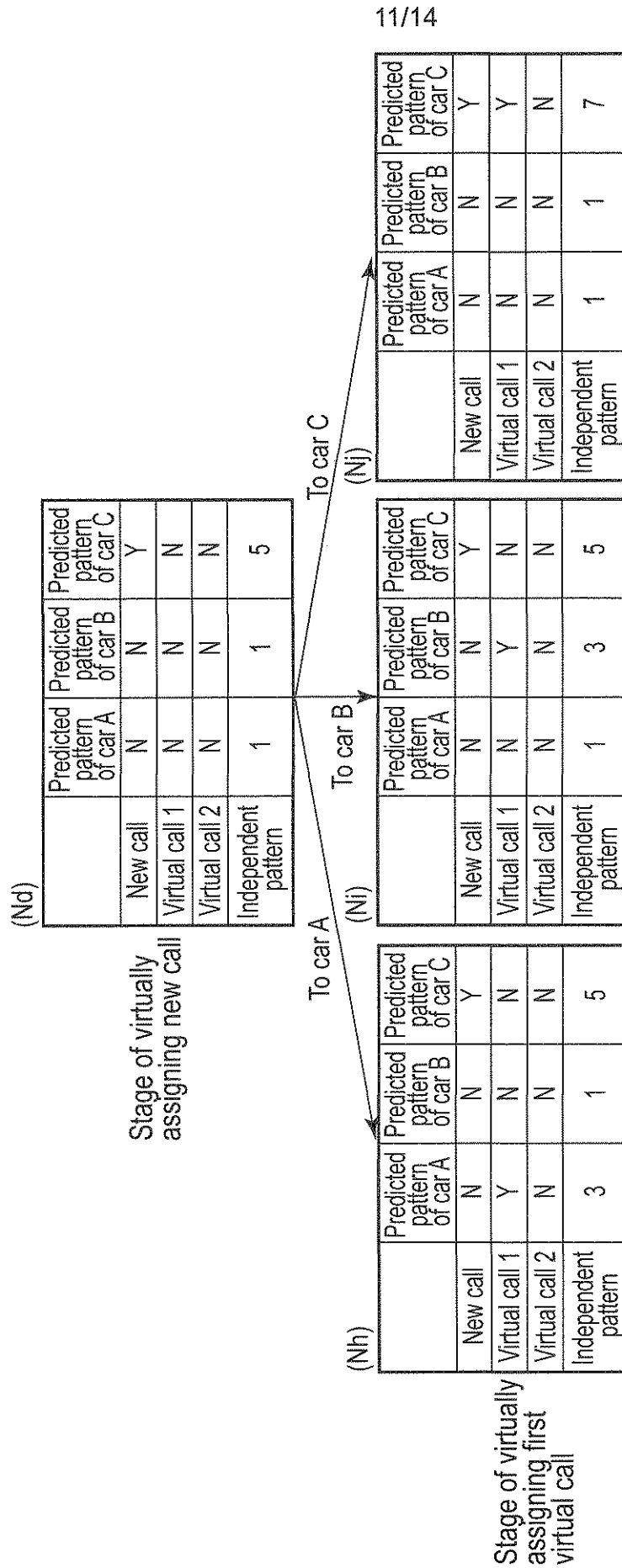
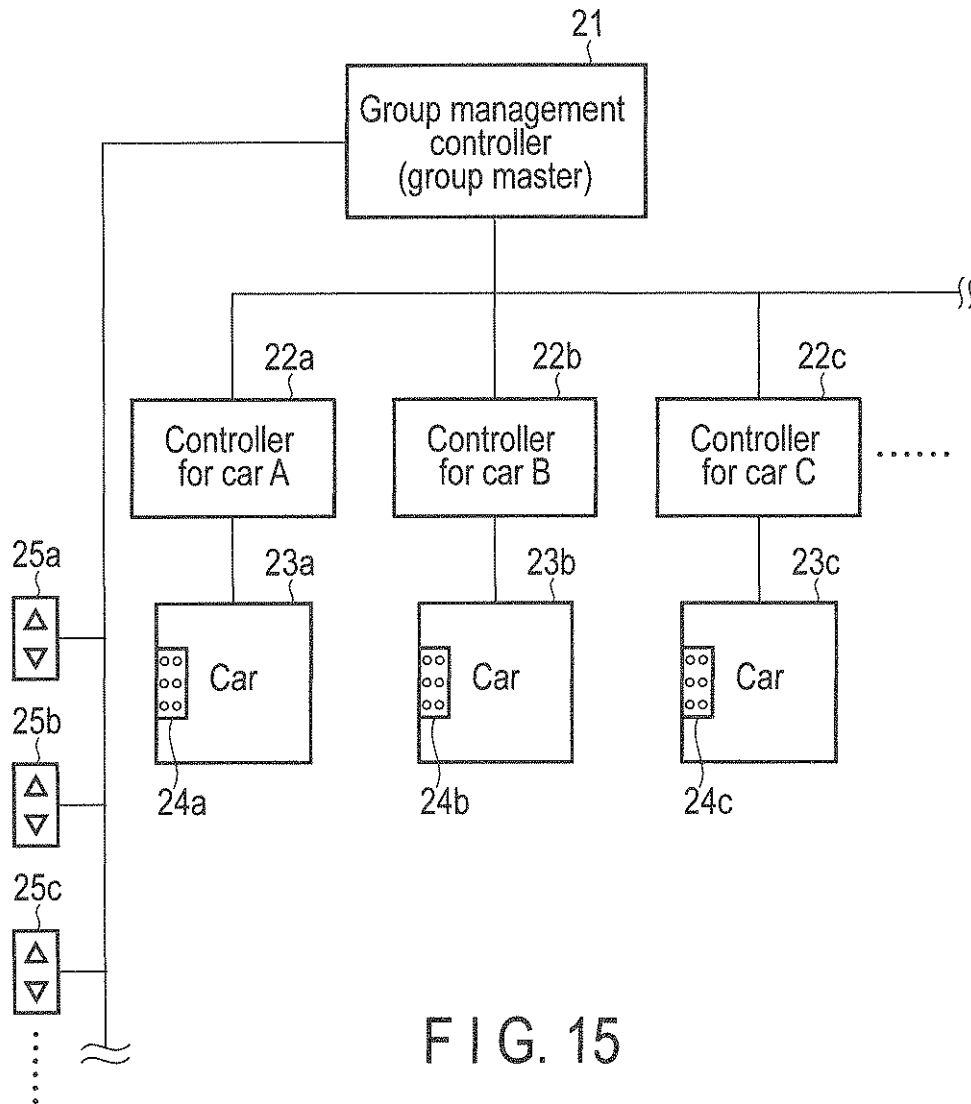


FIG. 14



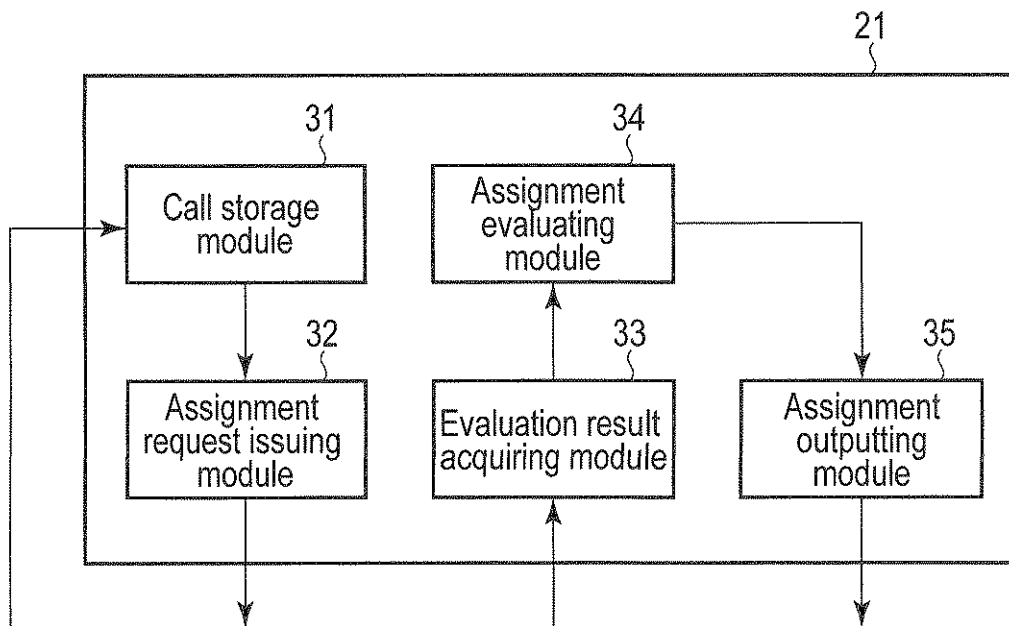


FIG. 16

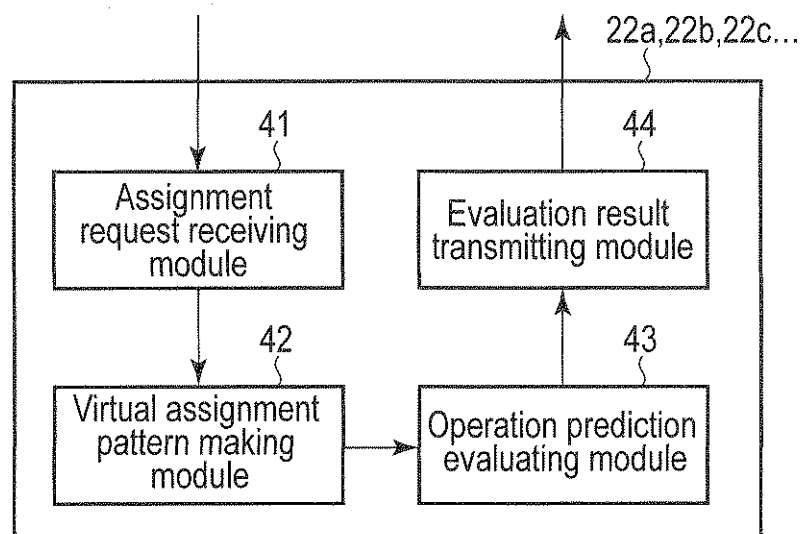


FIG. 17

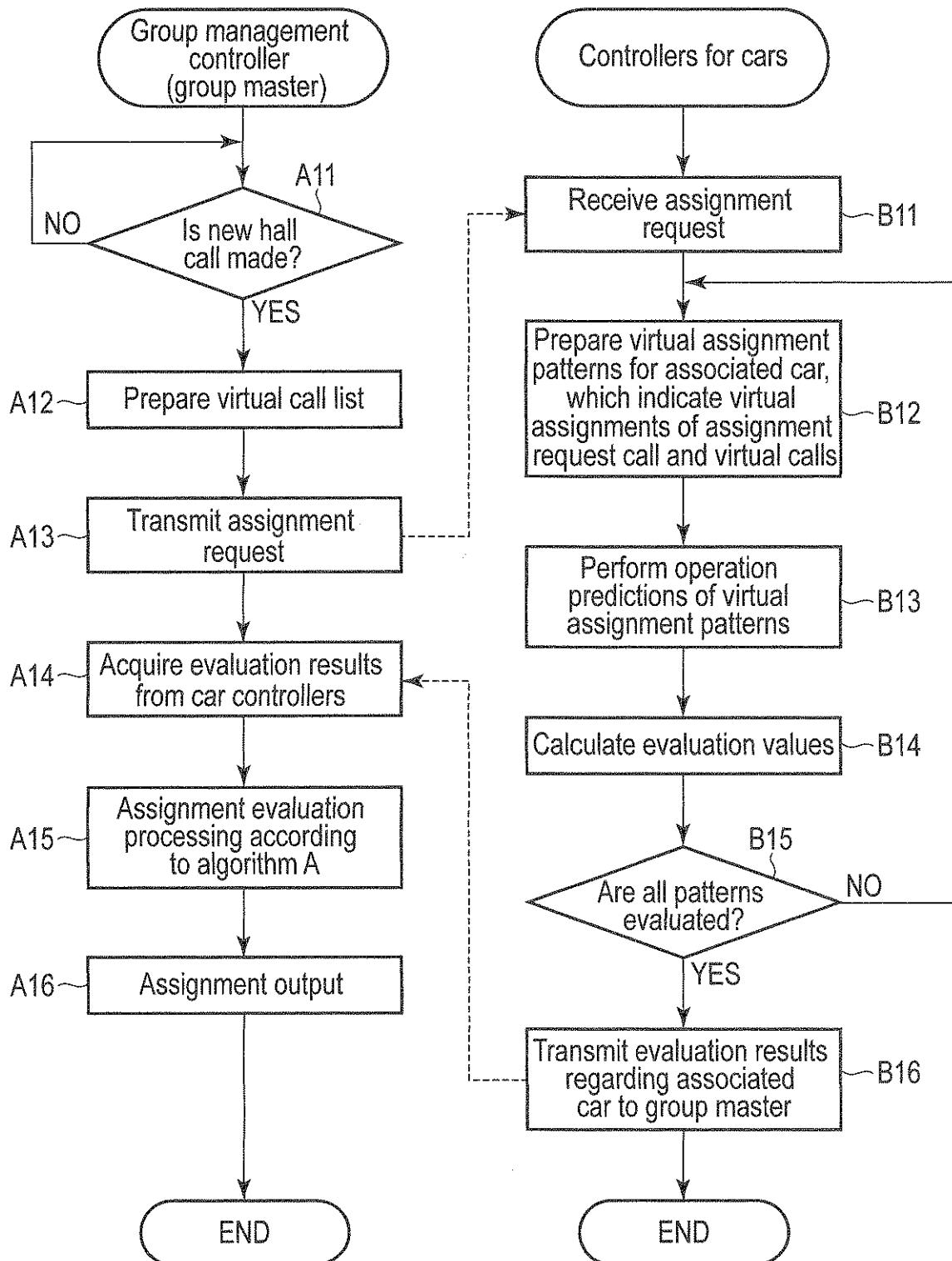


FIG. 18