

FIG. 1

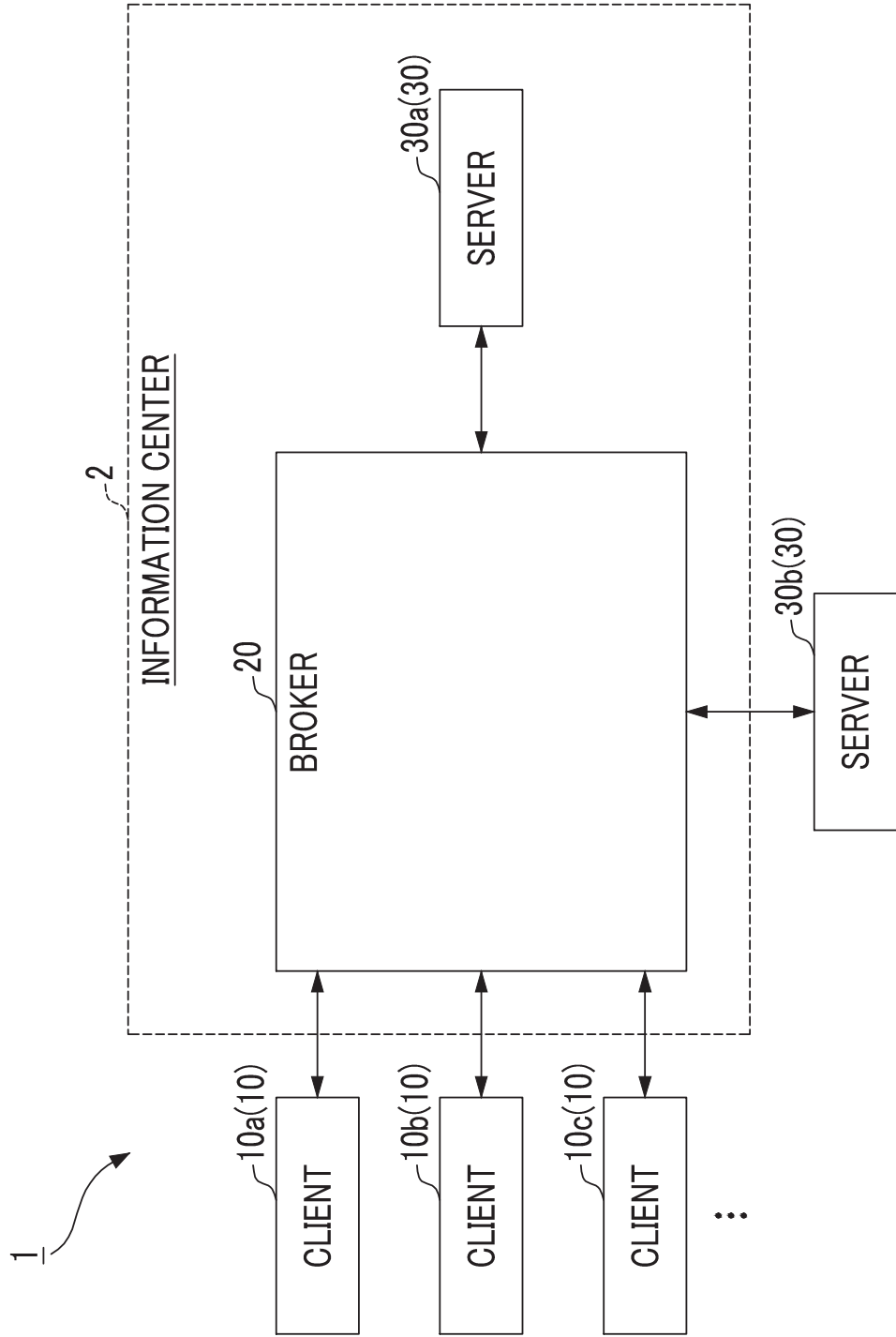
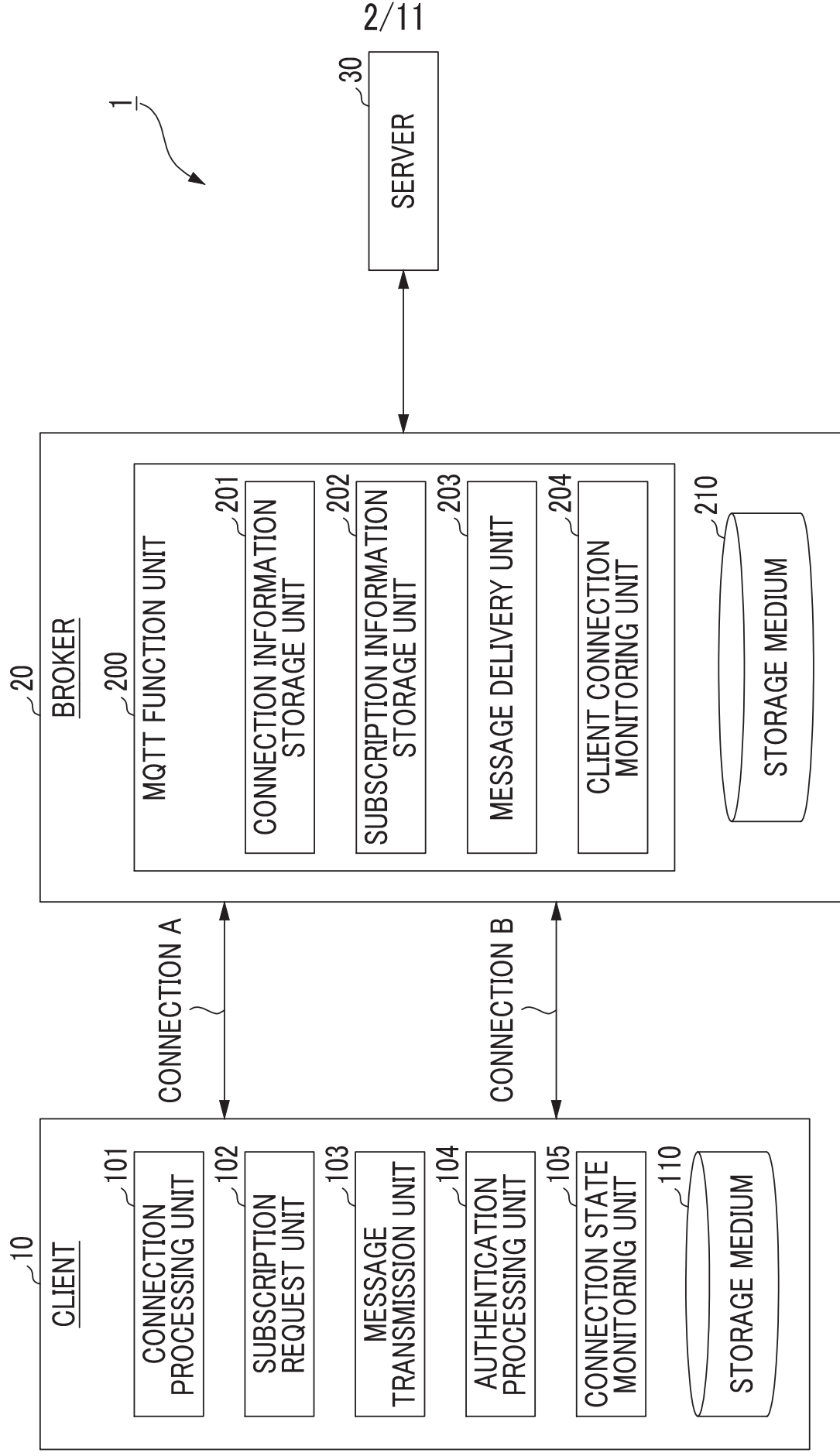


FIG. 2



SUBSCRIPTION LIST

D11

TOPIC	CONNECTION TYPE
CLIENT 10a/AUTHENTICATION INFORMATION	CONNECTION A
CLIENT 10a/BILLING INFORMATION	CONNECTION A
⋮	⋮
ROAD X/TRAFFIC CONGESTION INFORMATION	CONNECTION B
ROAD X/SA INFORMATION	CONNECTION B
⋮	⋮

FIG. 4

ISSUE LIST

D12

TOPIC	CONNECTION TYPE
CLIENT 10a/AUTHENTICATION INFORMATION	CONNECTION A
CLIENT 10a/BILLING INFORMATION	CONNECTION A
⋮	⋮
CLIENT 10a/CURRENT POSITION	CONNECTION B
CLIENT 10a/MOVING SPEED	CONNECTION B
CLIENT 10a/ACCELERATION	CONNECTION B
⋮	⋮

FIG. 5

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CONNECTION INFORMATION TABLE						
CLIENT ID	CONNECTION TYPE	CONNECTION ID	PASSWORD	MESSAGE ACCUMULATION NECESSITY	SUBSCRIPTION INFORMATION STORAGE NECESSITY	
CLIENT 10a	CONNECTION A	0001	*****	UNNECESSARY	NECESSARY	
CLIENT 10a	CONNECTION B	0002	*****	NECESSARY	NECESSARY	
CLIENT 10b	CONNECTION A	0003	*****	UNNECESSARY	UNNECESSARY	
CLIENT 10b	CONNECTION B	0004	*****	NECESSARY	UNNECESSARY	
CLIENT 10c	CONNECTION A	0005	*****	UNNECESSARY	UNNECESSARY	
CLIENT 10c	CONNECTION B	0006	*****	NECESSARY	UNNECESSARY	
:	:	:	:	:	:	:

D22

SUBSCRIPTION INFORMATION TABLE

CLIENT ID	CONNECTION TYPE	TOPIC
CLIENT 10a	CONNECTION A	CLIENT 10a/BILLING INFORMATION
CLIENT 10a	CONNECTION B	ROAD X/TRAFFIC CONGESTION INFORMATION
CLIENT 10a	CONNECTION B	ROAD X/SA INFORMATION
CLIENT 10b	CONNECTION A	CLIENT 10b/BILLING INFORMATION
CLIENT 10b	CONNECTION B	ROAD Y/TRAFFIC CONGESTION INFORMATION
SERVER 30a	—	CLIENT 10a/BILLING INFORMATION
SERVER 30a	—	ALL CLIENTS/CURRENT POSITION
⋮	⋮	⋮

FIG. 7

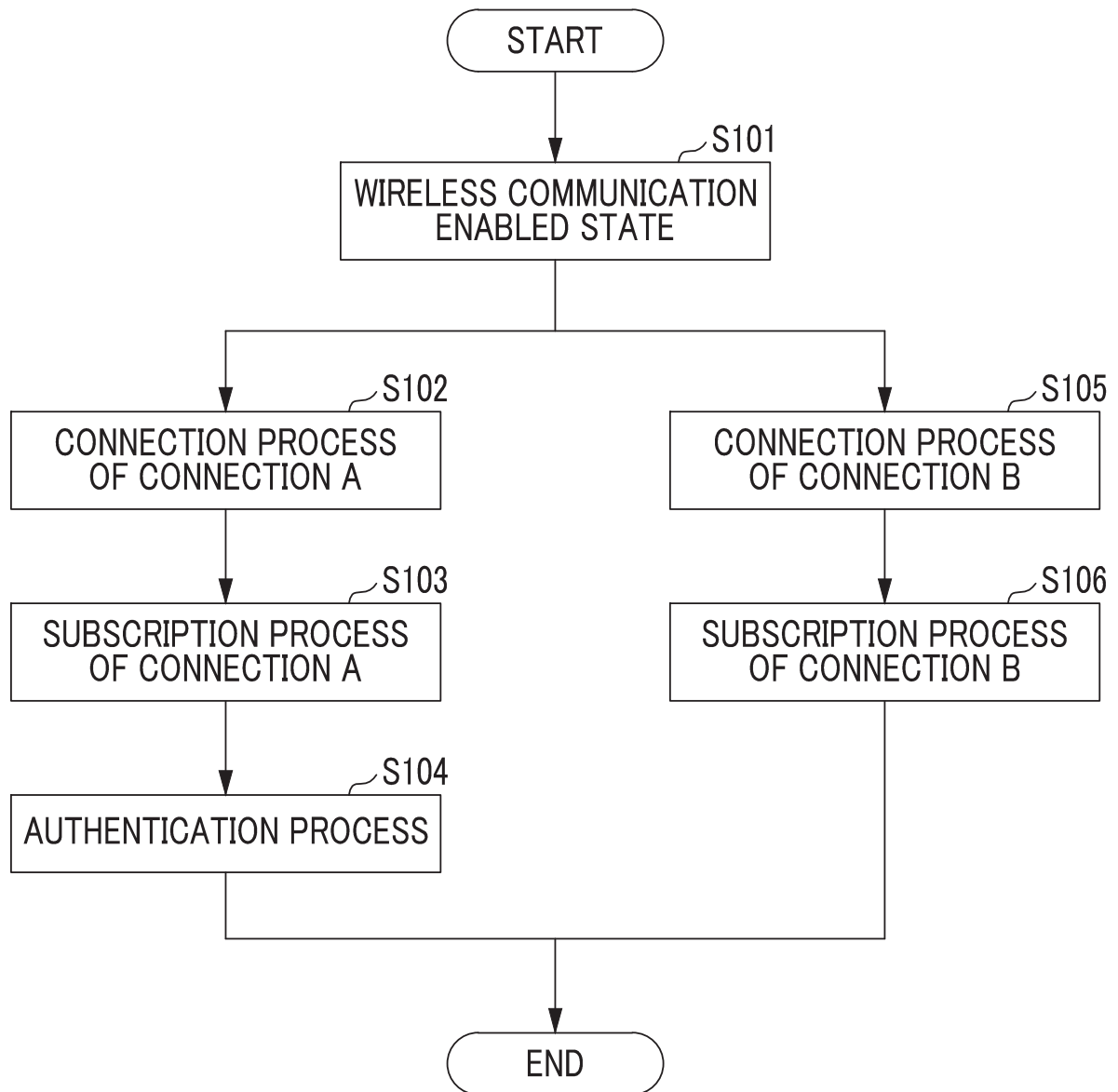
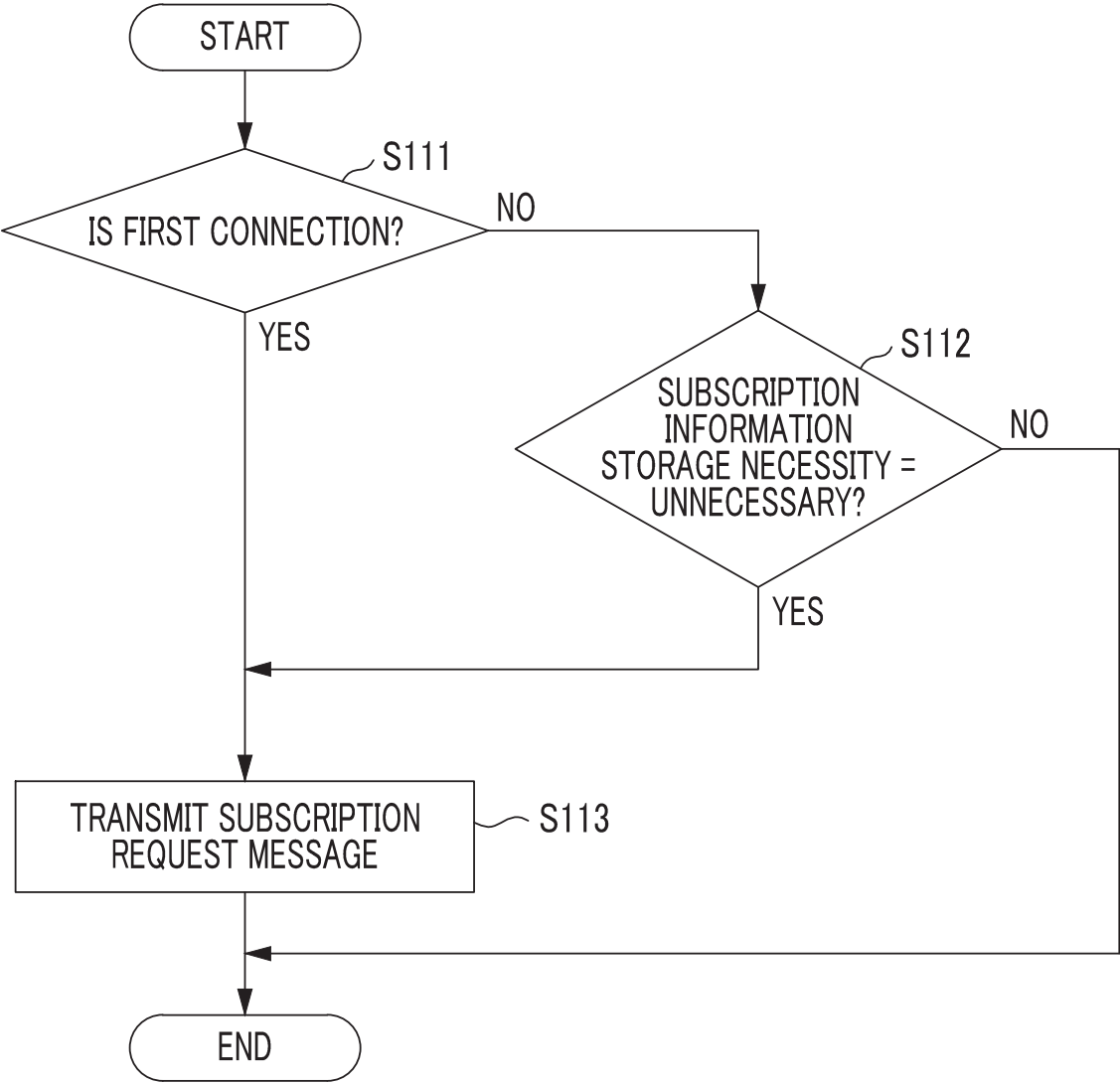


FIG. 8



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FIG. 9

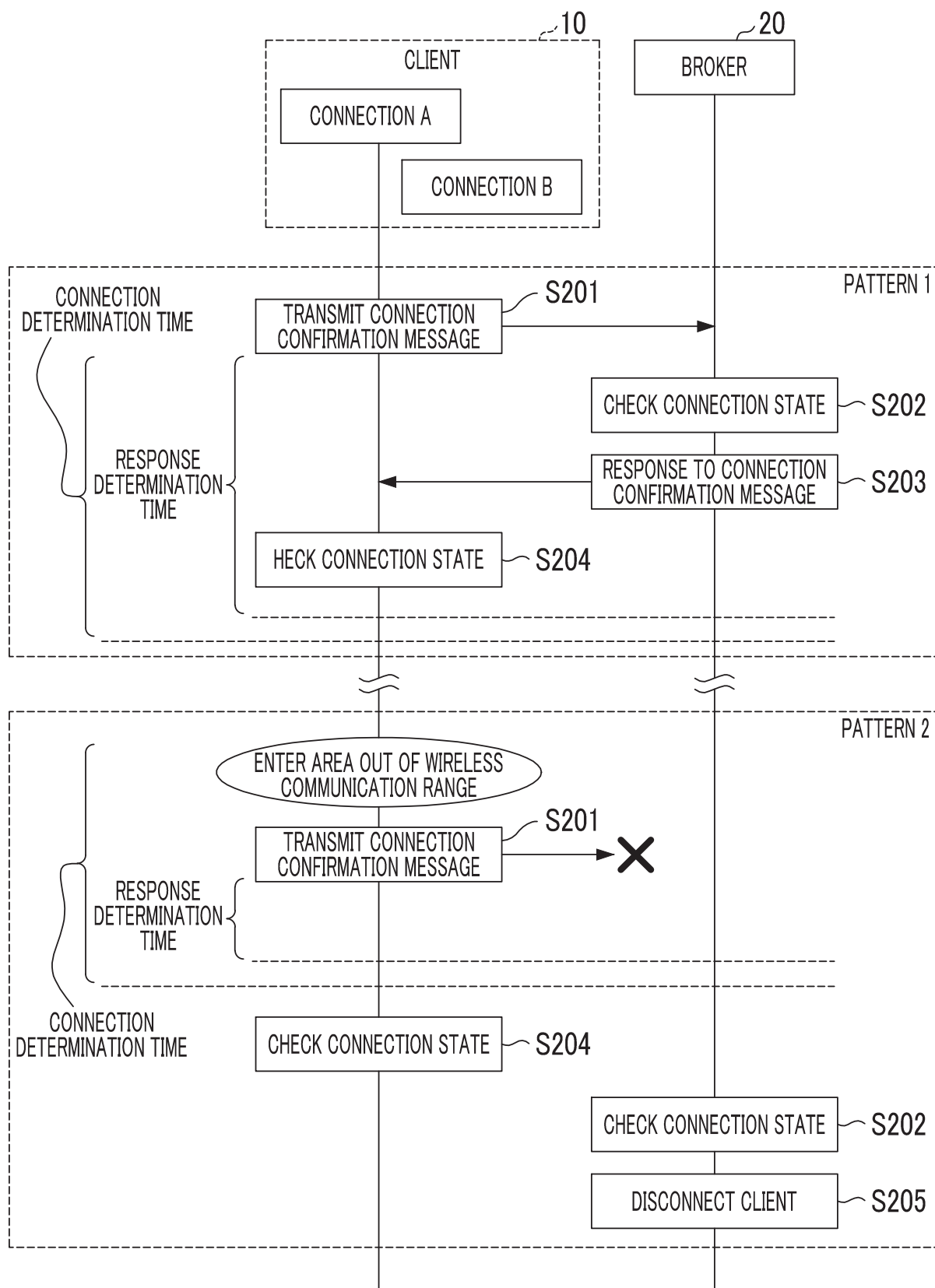


FIG. 10

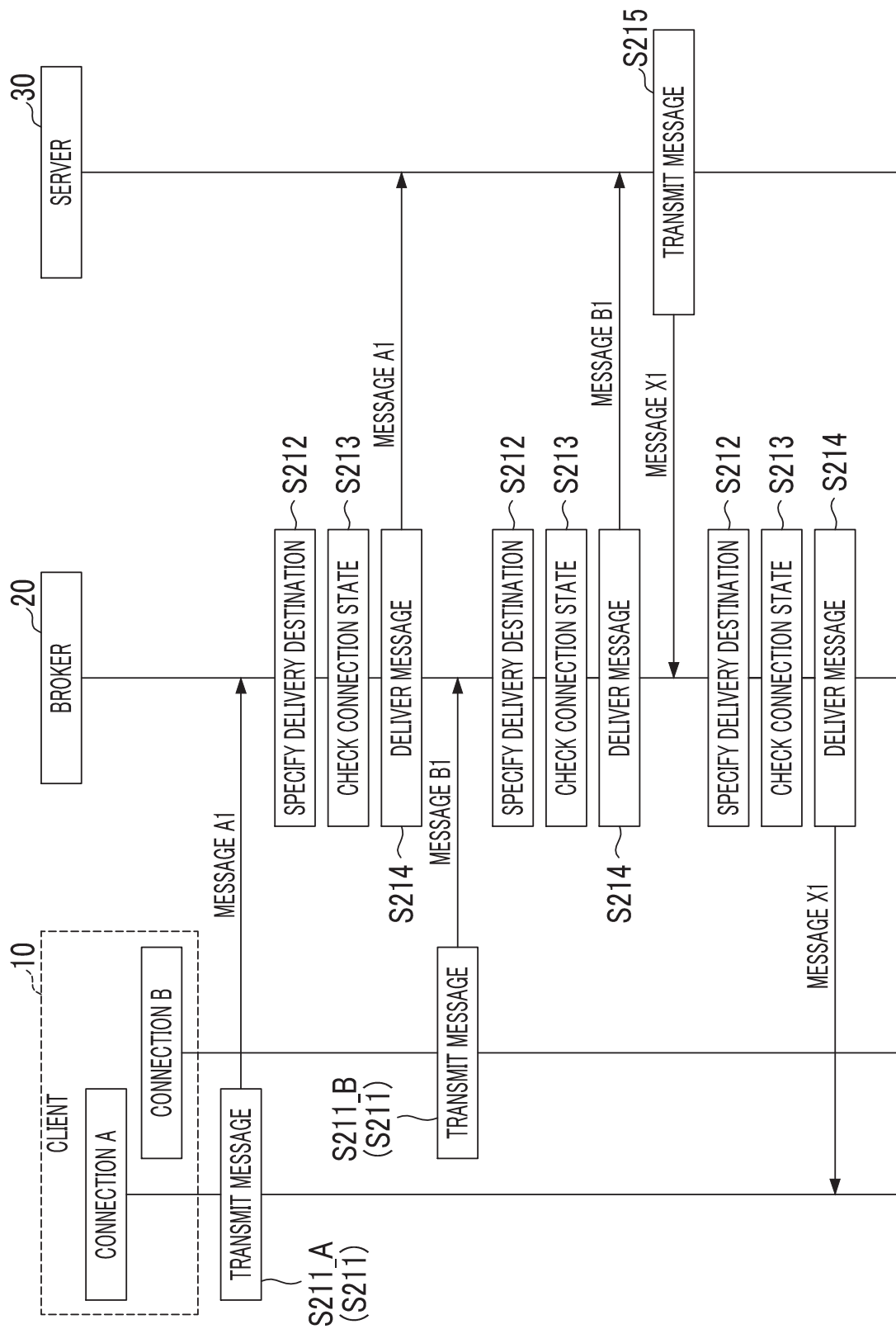


FIG. 11

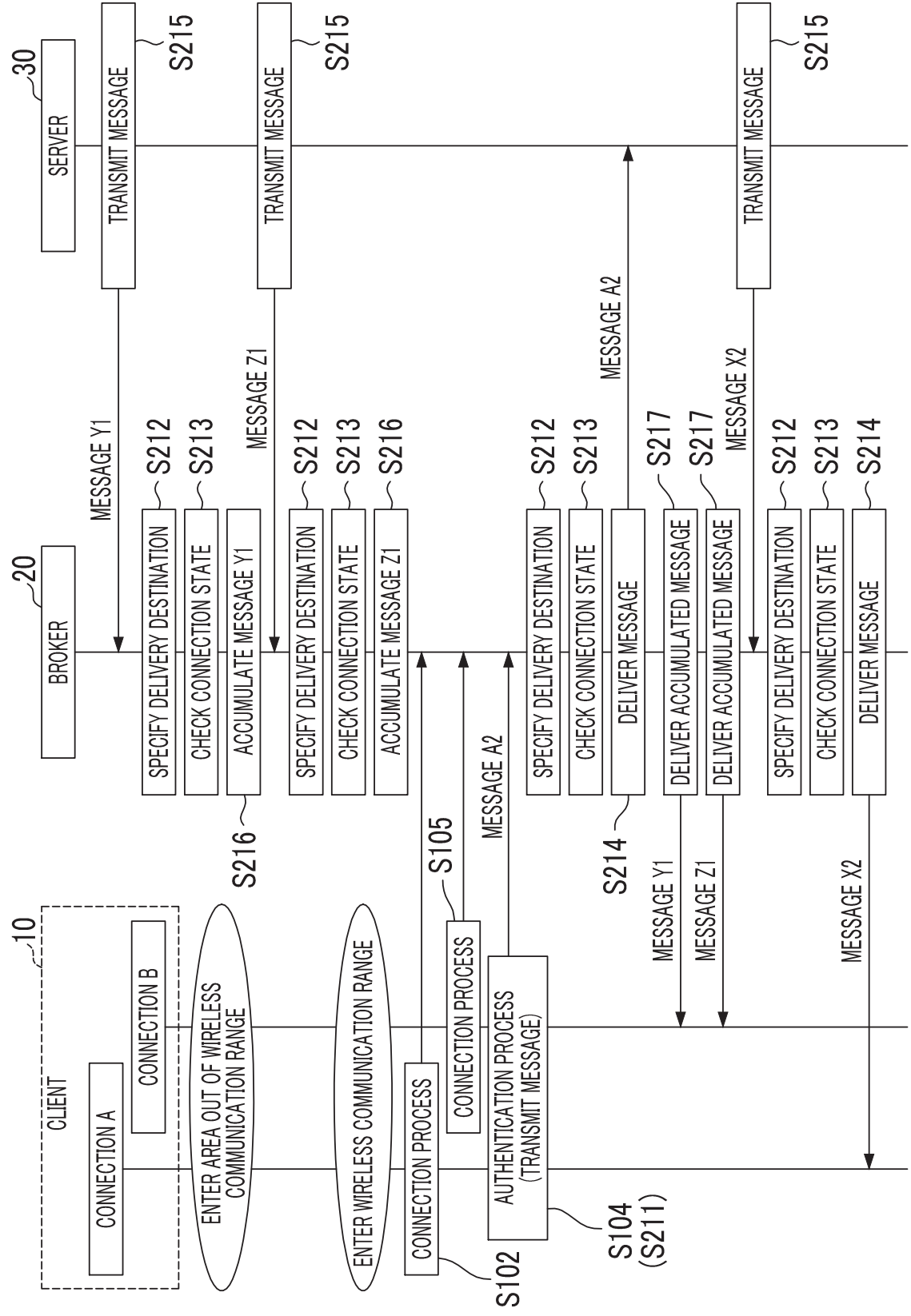


FIG. 12

