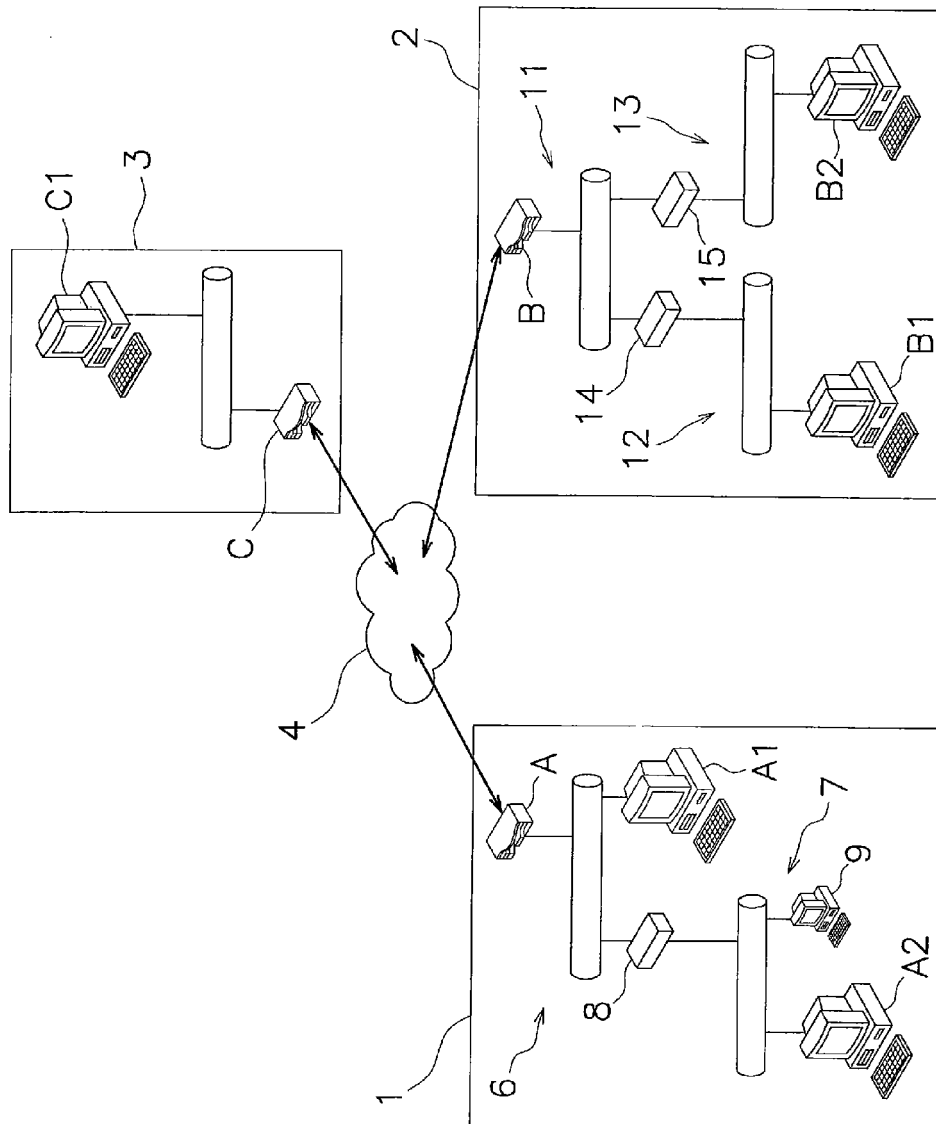
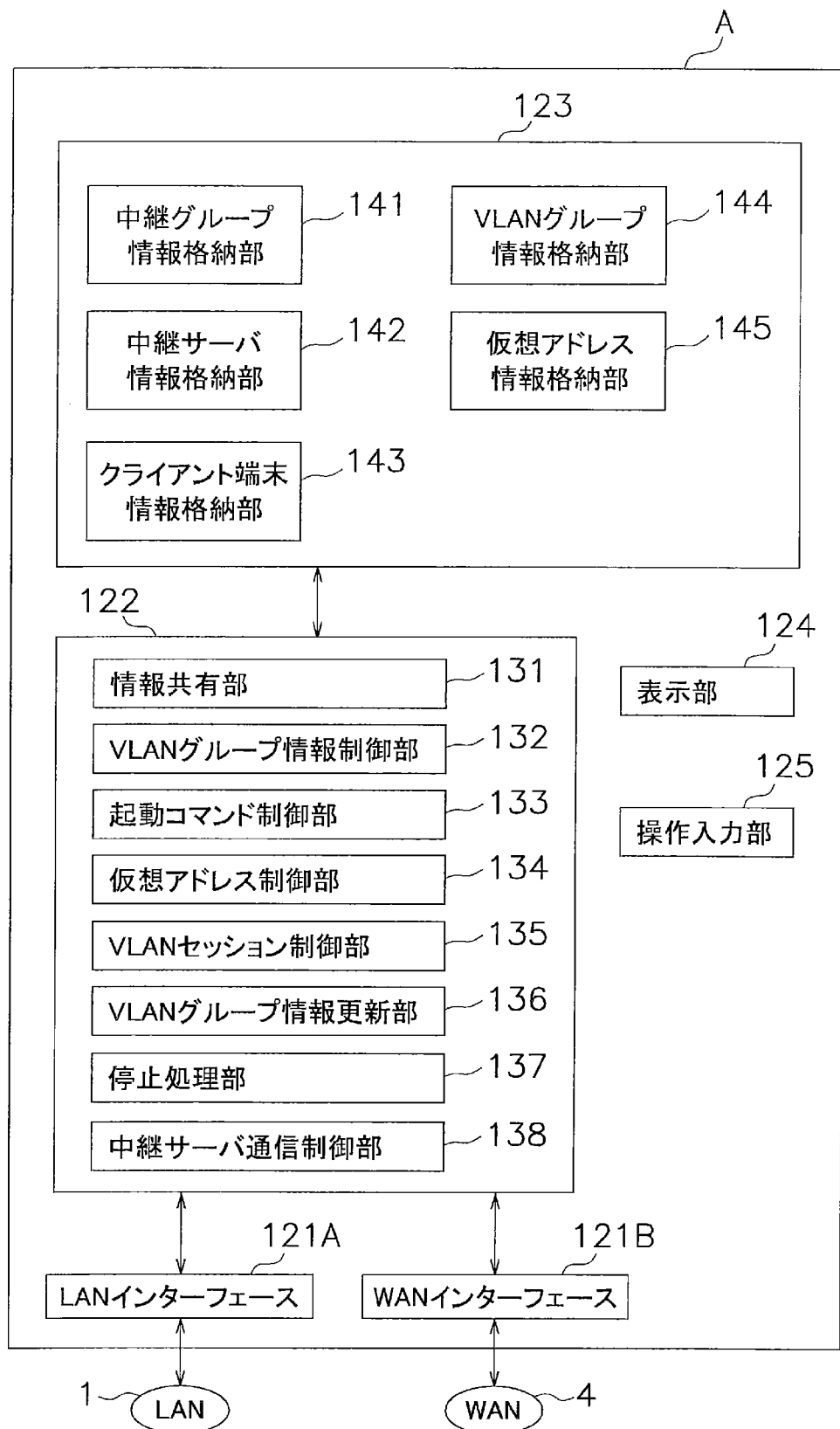


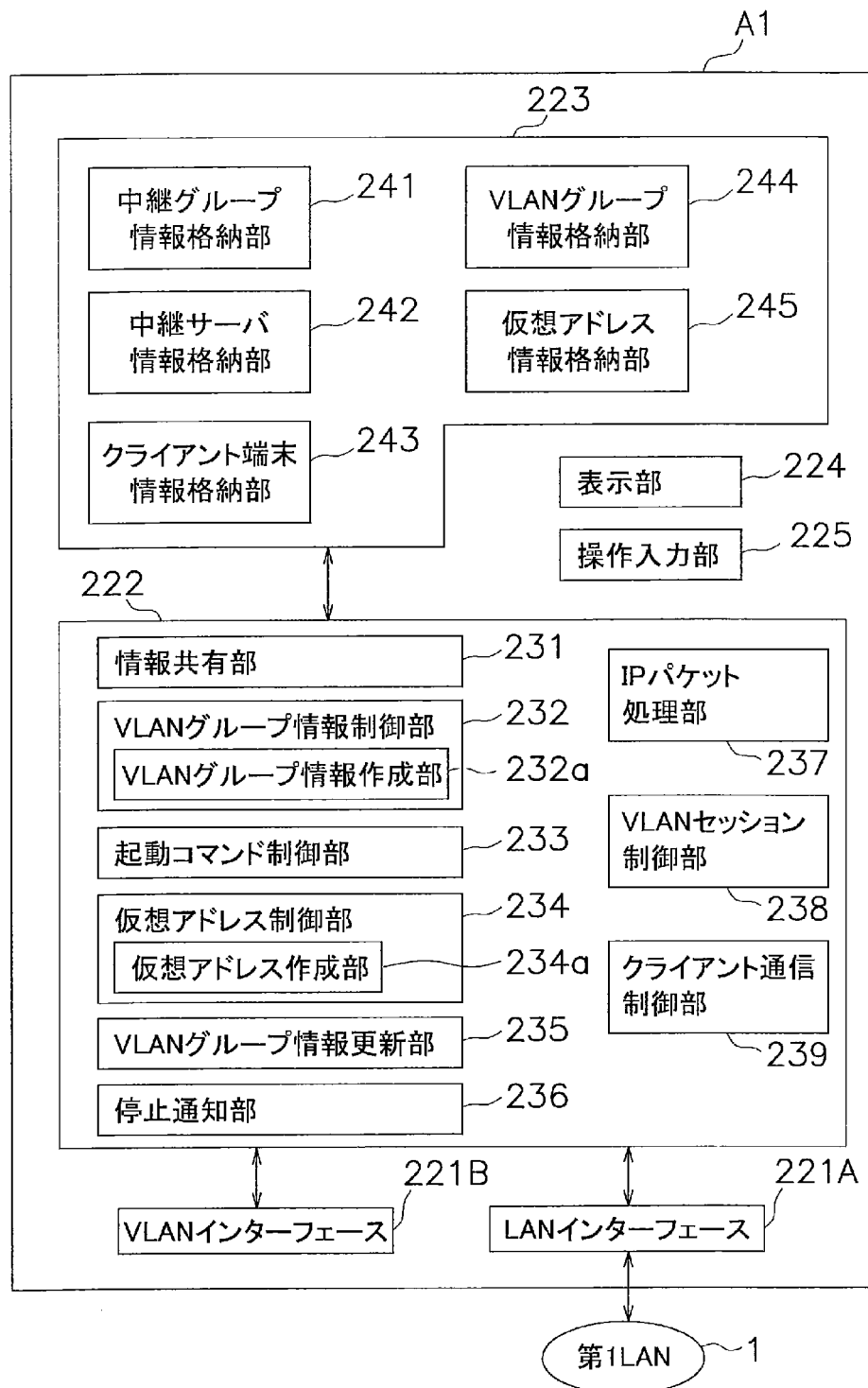
[図1]



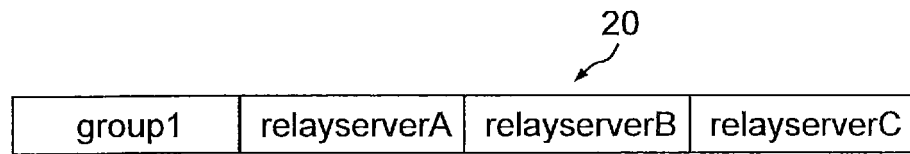
[図2]



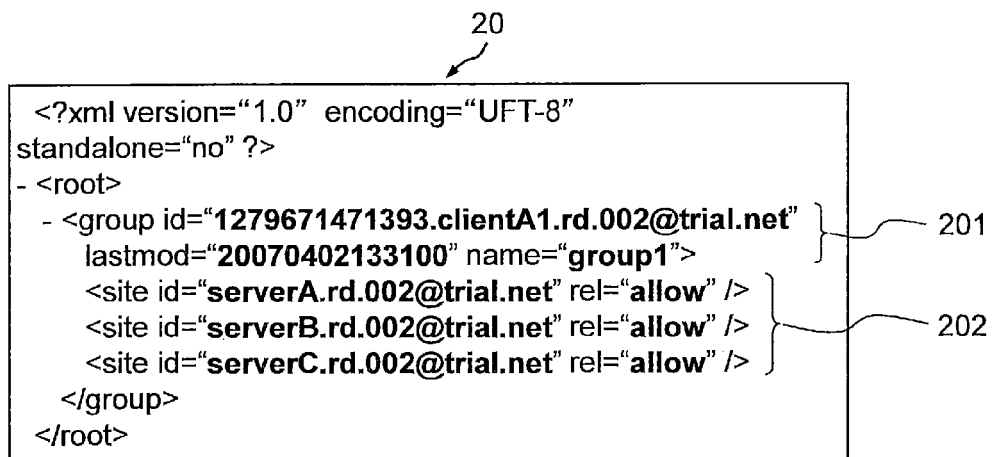
[図3]



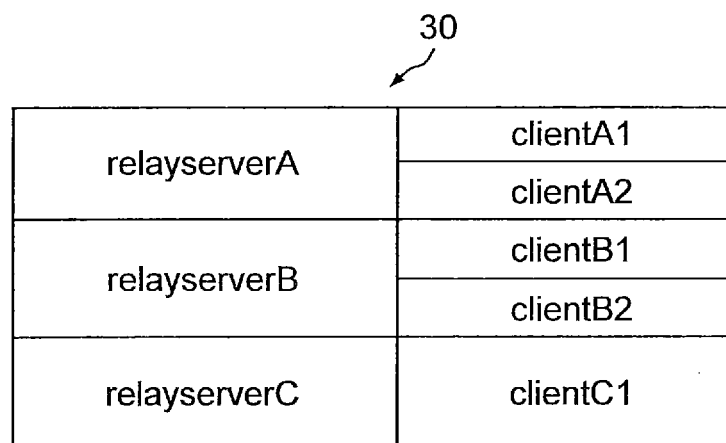
[図4]



[図5]



[図6]



[図7]

30

```

<?xml version="1.0" encoding="UTF-8" ?>
- <root>
-   <site id="serverA@trial.net" name="serverA" stat="active">
-     <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
-       id="clientA1.rd.002@serverA.trial.net" name="clientA1"
-       site="serverA@trial.net" />
-     <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
-       id="clientA2.rd.002@serverA.trial.net" name="clientA2"
-       site="serverA@trial.net" />
-   </site>
-   <site id="serverB@trial.net" name="serverB" stat="active">
-     <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
-       id="clientB1.rd.002@serverB.trial.net" name="clientB1"
-       site="serverB@trial.net" />
-     <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
-       id="clientB2.rd.002@serverB.trial.net" name="clientB2"
-       site="serverB@trial.net" />
-   </site>
-   <site id="serverC@trial.net" name="serverC" stat="active">
-     <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
-       id="clientC1.rd.002@serverC.trial.net" name="clientC1"
-       site="serverC@trial.net" />
-   </site>
- </root>

```

Diagram 30 shows an XML structure with three sites (serverA, serverB, serverC) and their associated nodes (clientA1, clientA2, clientB1, clientB2, clientC1). The nodes are grouped by site and labeled with 301-1, 301-2, 301-3, 302-1, 302-2, 302-3.

[図8]

40

```

<?xml version="1.0" encoding="UTF-8" ?>
- <root>
-   <node addr="192.168.2.1" div="dev" expr="1213935978484"
-     group="1279671471393.clientA1.rd.002@serverA.trial.net"
-     id="clientA2.rd.002@serverA.trial.net" name="clientA2" pass="abc"
-     port="50700" />
-   <node addr="192.168.1.30" div="dev" expr="1213935978484"
-     group="1279671471393.clientA1.rd.002@serverA.trial.net"
-     id="clientA1.rd.002@serverA.trial.net" name="clientA1" pass="def" port="0" />
- </root>

```

Diagram 40 shows an XML structure with two nodes (clientA2, clientA1) and their associated attributes (addr, div, expr, group, id, name, pass, port).

[図9]

50

```

<?xml version="1.0" encoding="UTF-8" ?>
<root>
  <node addr="192.100.1.3" div="dev" expr="1213935978484"
    group="1279671471393.clientA1.rd.002@serverA.trial.net"
    id="clientB1.rd.002@serverB.trial.net" name="clientB1" pass="abc"
    port="50700" />
  <node addr="192.100.1.2" div="dev" expr="1213935978484"
    group="1279671471393.clientA1.rd.002@serverA.trial.net"
    id="clientB2.rd.002@serverB.trial.net" name="clientB2" pass="nouï"
    port="50700" />
</root>

```

[図10]

60

```

<?xml version="1.0" encoding="UTF-8" ?>
<root>
  <node addr="200.1.2.1" div="dev" expr="1213935978484"
    group="1279671471393.clientA1.rd.002@serverA.trial.net"
    id="clientC1.rd.002@serverC.trial.net" name="clientC1" pass="abc"
    port="50700" />
</root>

```

[図11]

70

```

<?xml version="1.0" encoding="UTF-8" ?>
<root>
  <vnet auto="0" group="1279671471393.clientA1.rd.002@trial.net"
    id="1279672104671.clientA1.rd.002@trial.net" lastmod="1279672104671"
    name="vlangroup1">
    <dev id="clientA1.rd.002@serverA.trial.net" />
    <dev id="clientB1.rd.002@serverB.trial.net" />
    <dev id="clientB2.rd.002@serverB.trial.net" />
    <dev id="clientC1.rd.002@serverC.trial.net" />
    <ssn sp="serverA.trial.net" ep="serverB@trial.net" />
    <ssn sp="serverA.trial.net" ep="serverC@trial.net" />
    <ssn sp="serverB.trial.net" ep="serverC@trial.net" />
  </vnet>
</root>

```

71
72
73

[図12]

80



ID	仮想IPアドレス	仮想MACアドレス
clientA1.rd.002@trial.net	117.112.0.1	00.11.22.f0.00.01
clientB1.rd.002@trial.net	117.112.0.2	00.11.22.f0.00.02
clientB2.rd.002@trial.net	117.112.0.3	00.11.22.f0.00.03

```

sequenceDiagram
    participant A1 as ClientA1
    participant A2 as ClientA2
    participant A as ServerA
    participant B as ServerB
    participant B1 as ClientB1
    participant B2 as ClientB2
    participant C as ServerC
    participant C1 as ClientC1

    A1->>A2: S1: Create_Account()
    A2->>A: S2: Create_Account()
    activate A
    A->>A: S6: Set_Group()
    A->>A: S7: Exchange(db)
    A->>A: S8: Register()
    A->>A: S9: Get()
    A->>A: S10: Notify()
    A->>A: S11: Notify()
    deactivate A
    B1->>B2: S3: Create_Account()
    B2->>C1: S4: Create_Account()
    C1->>C: S5: Create_Account()
    
```

[図14]

31-1

```

<?xml version="1.0" encoding="UFT-8" ?>
- <root>
  - <site id="serverA@trial.net" name="serverA" stat="active"> } 311-1
    <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
      id="clientA1.rd.002@serverA.trial.net" name="clientA1"
      site="serverA@trial.net" />
    <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
      id="clientA2.rd.002@serverA.trial.net" name="clientA2"
      site="serverA@trial.net" /> } 312-1
  </site>
</root>

```

[図15]

31-2

```

<?xml version="1.0" encoding="UFT-8" ?>
- <root>
  - <site id="serverB@trial.net" name="serverB" stat="active"> } 311-2
    <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
      id="clientB1.rd.002@serverB.trial.net" name="clientB1"
      site="serverB@trial.net" />
    <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
      id="clientB2.rd.002@serverB.trial.net" name="clientB2"
      site="serverB@trial.net" /> } 312-2
  </site>
</root>

```

[図16]

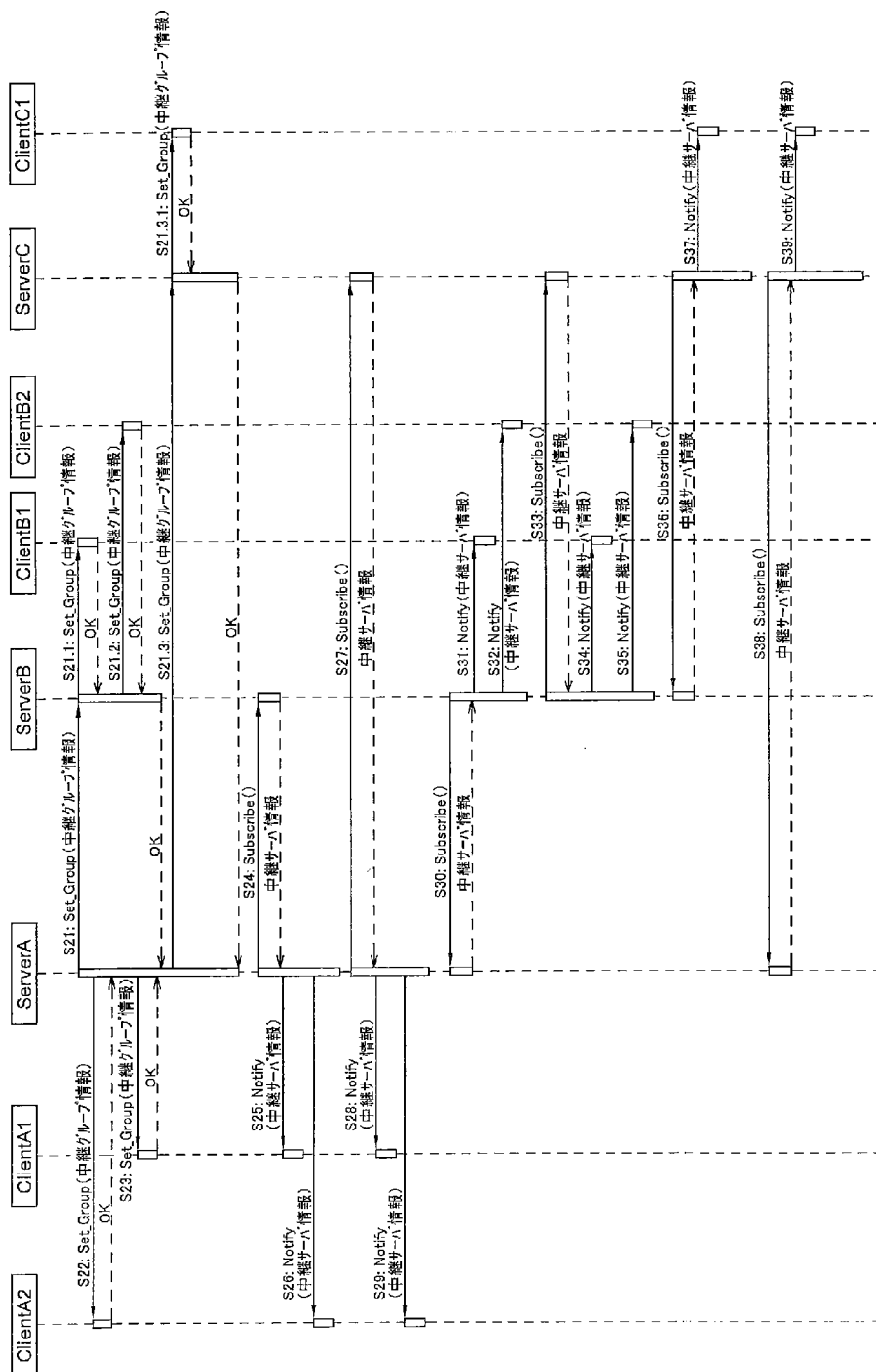
31-3

```

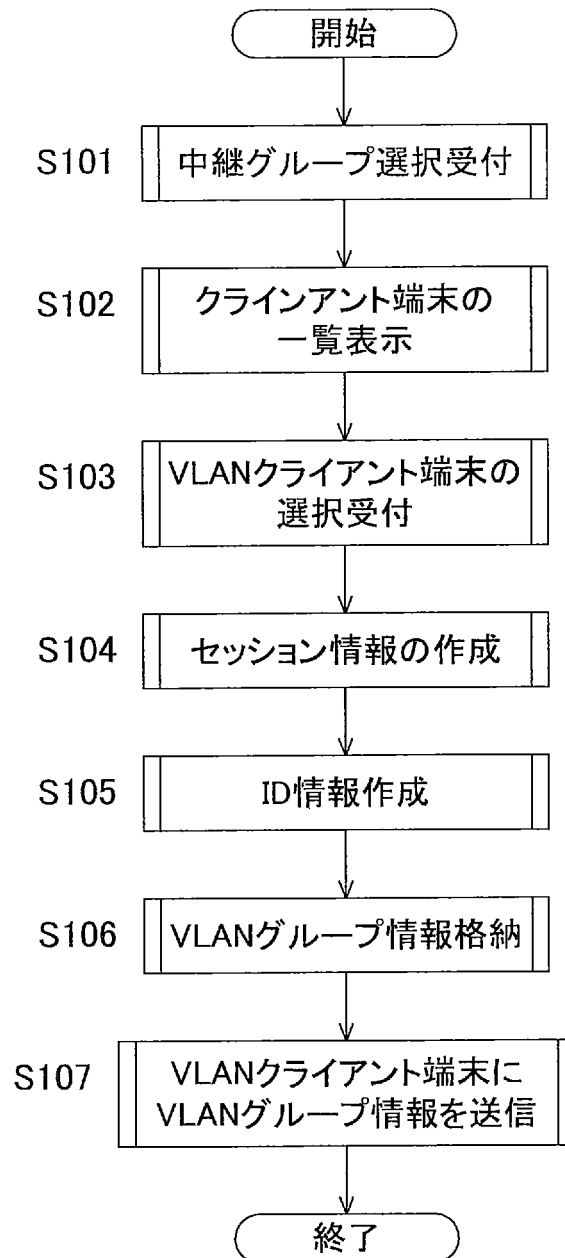
<?xml version="1.0" encoding="UFT-8" ?>
- <root>
  - <site id="serverC@trial.net" name="serverC" stat="active"> } 311-3
    <node div="dev" group="1279671471393.clientA1.rd.002@serverA.trial.net"
      id="clientC1.rd.002@serverC.trial.net" name="clientC1"
      site="serverC@trial.net" /> } 312-3
  </site>
</root>

```

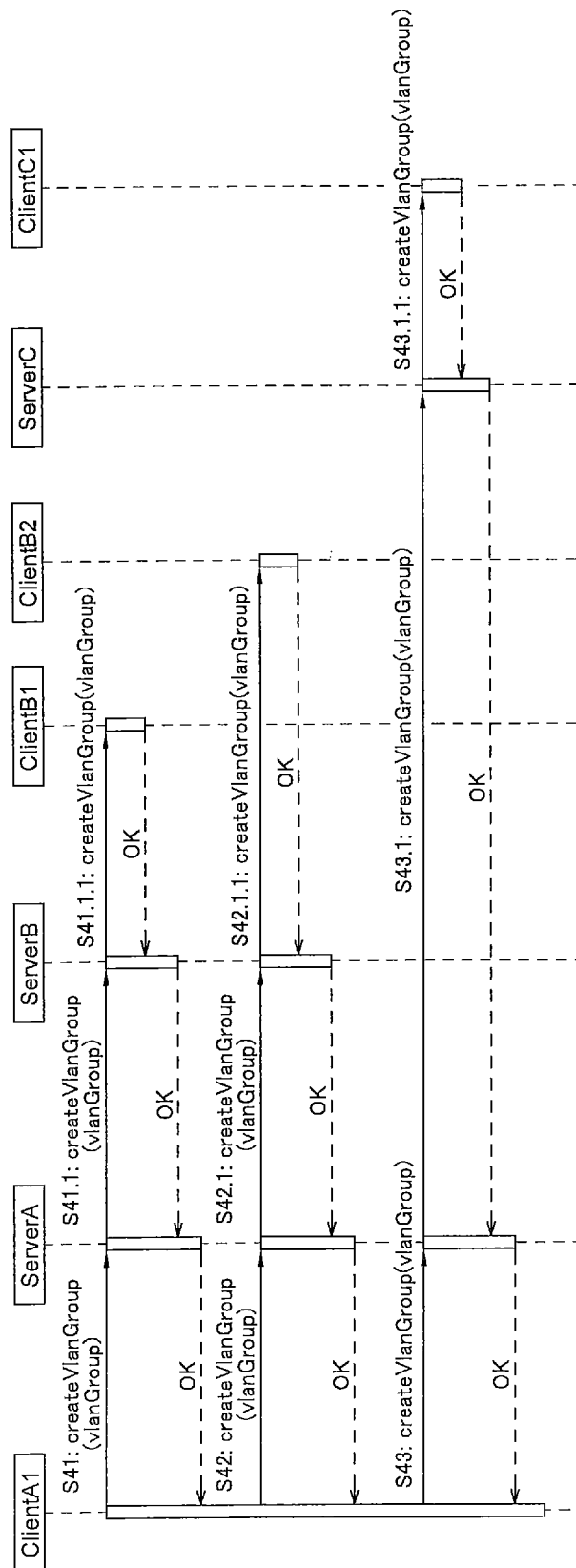
[図17]



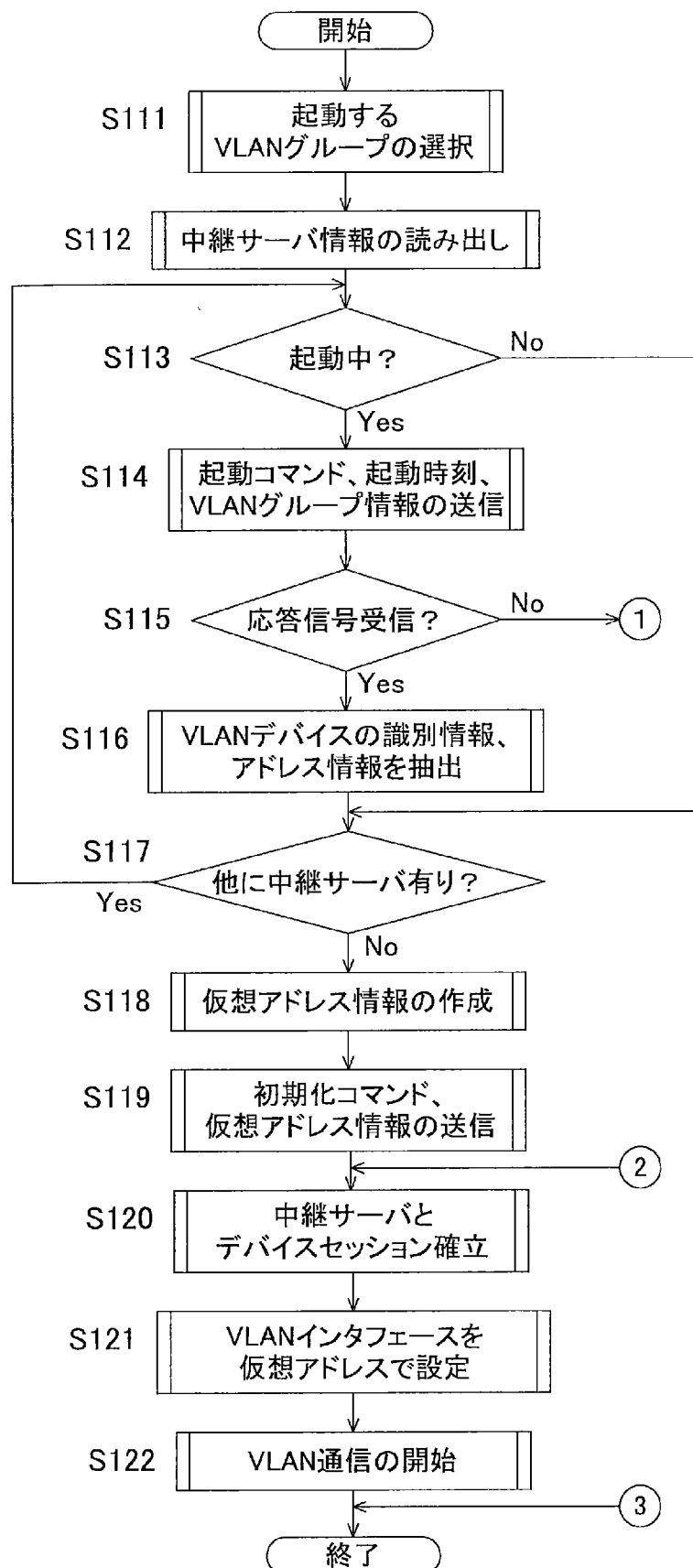
[図18]



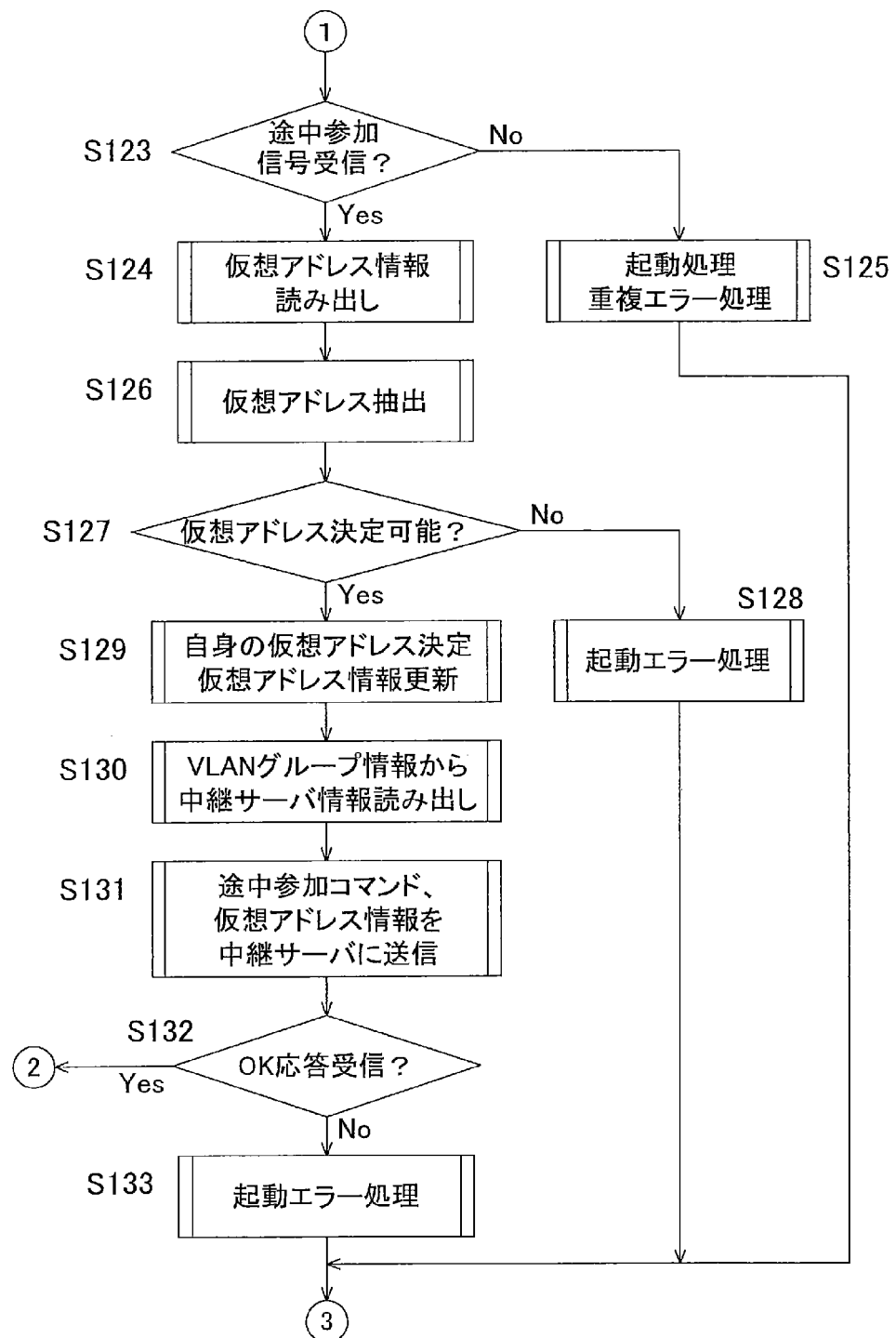
[図19]



[図20A]



[図20B]



[図21]

90
↙

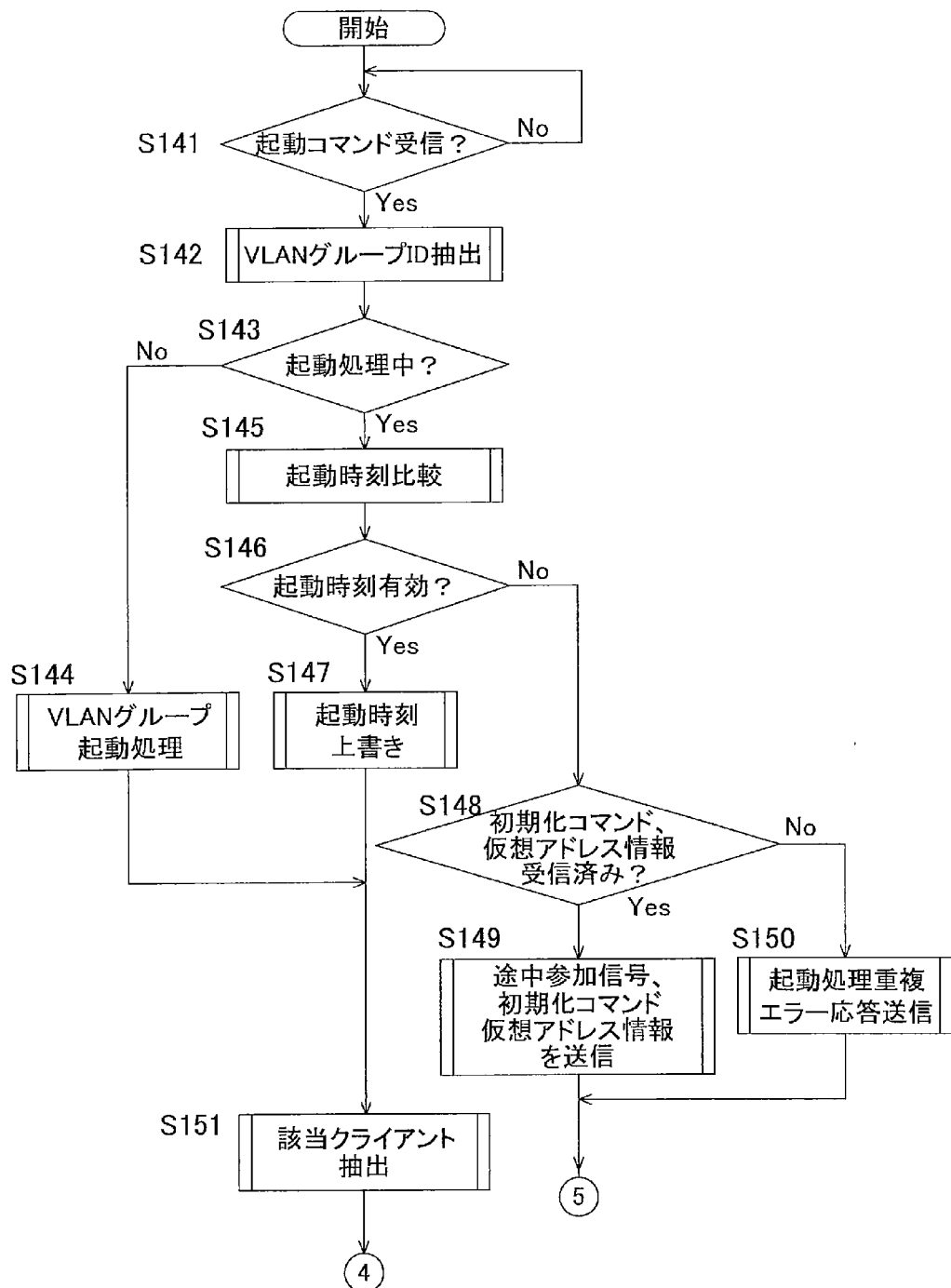
clientB1.rd.002@trial.net	201.101.35.189	01:5e:0c:00:22:28	} 90-1
clientB2.rd.002@trial.net	201.101.35.175	01:5e:0c:ab:cd:28	

[図22]

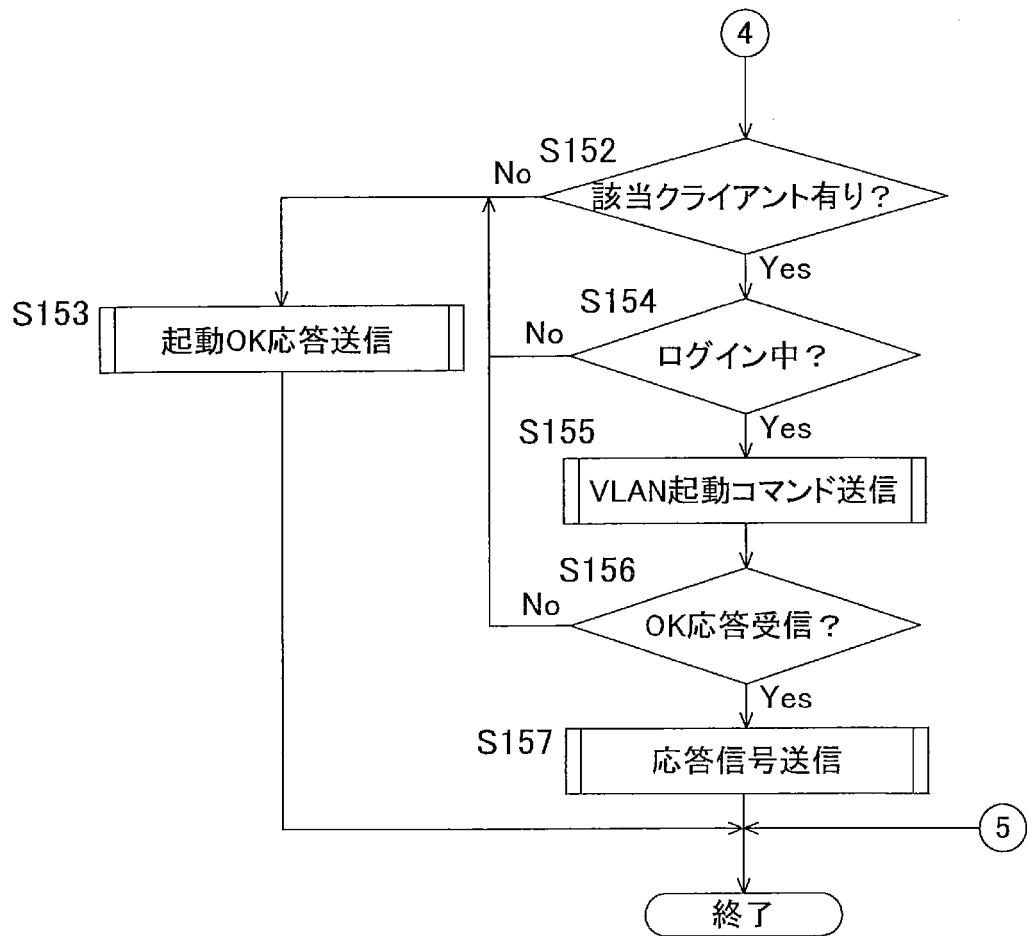
91
↙

clientA1.rd.002@trial.net	200.1.40.165	05:81:dc:09:0c:08
clientB1.rd.002@trial.net	201.101.35.189	01:5e:0c:00:22:28
clientB2.rd.002@trial.net	201.101.35.175	01:5e:0c:ab:cd:28

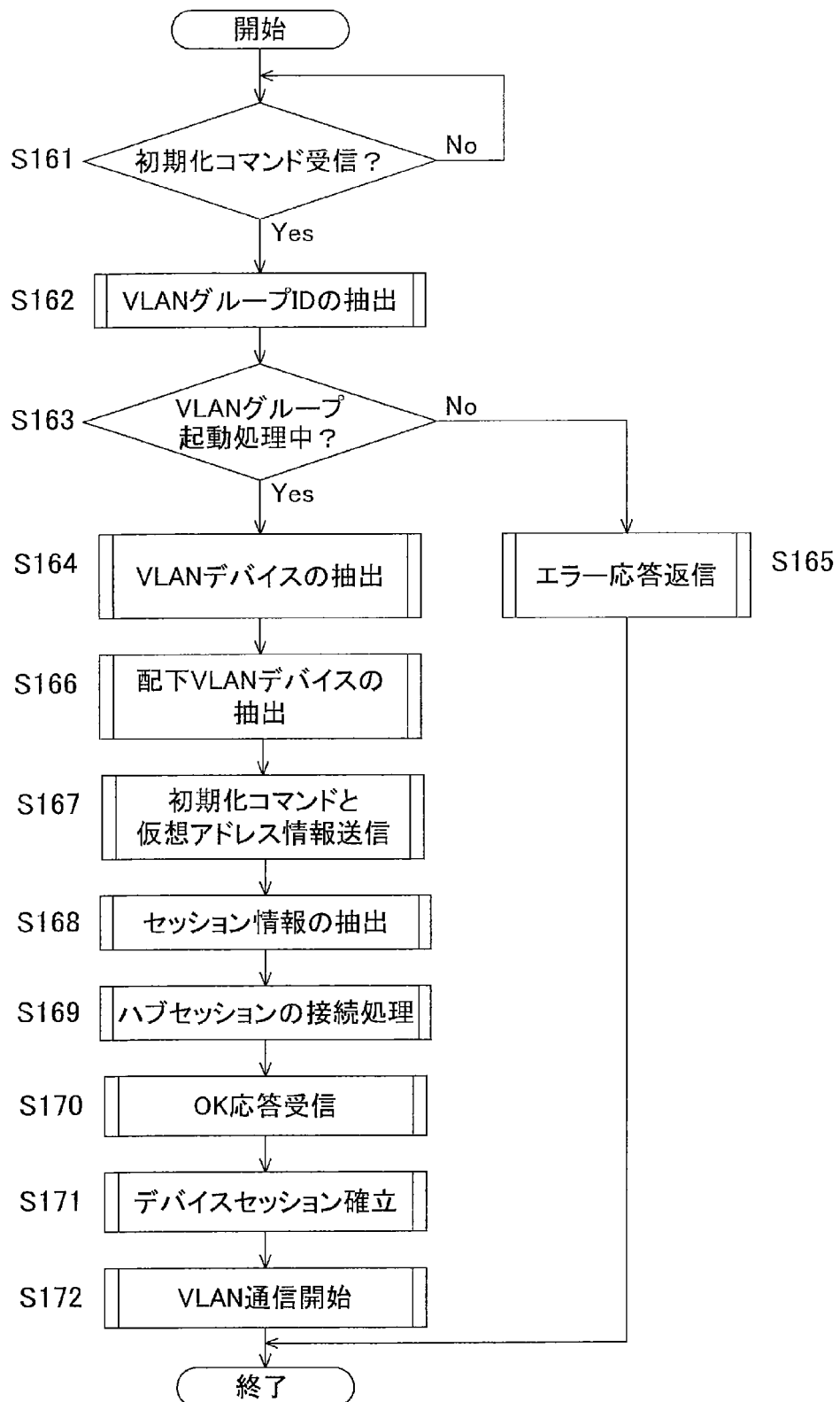
[図23A]



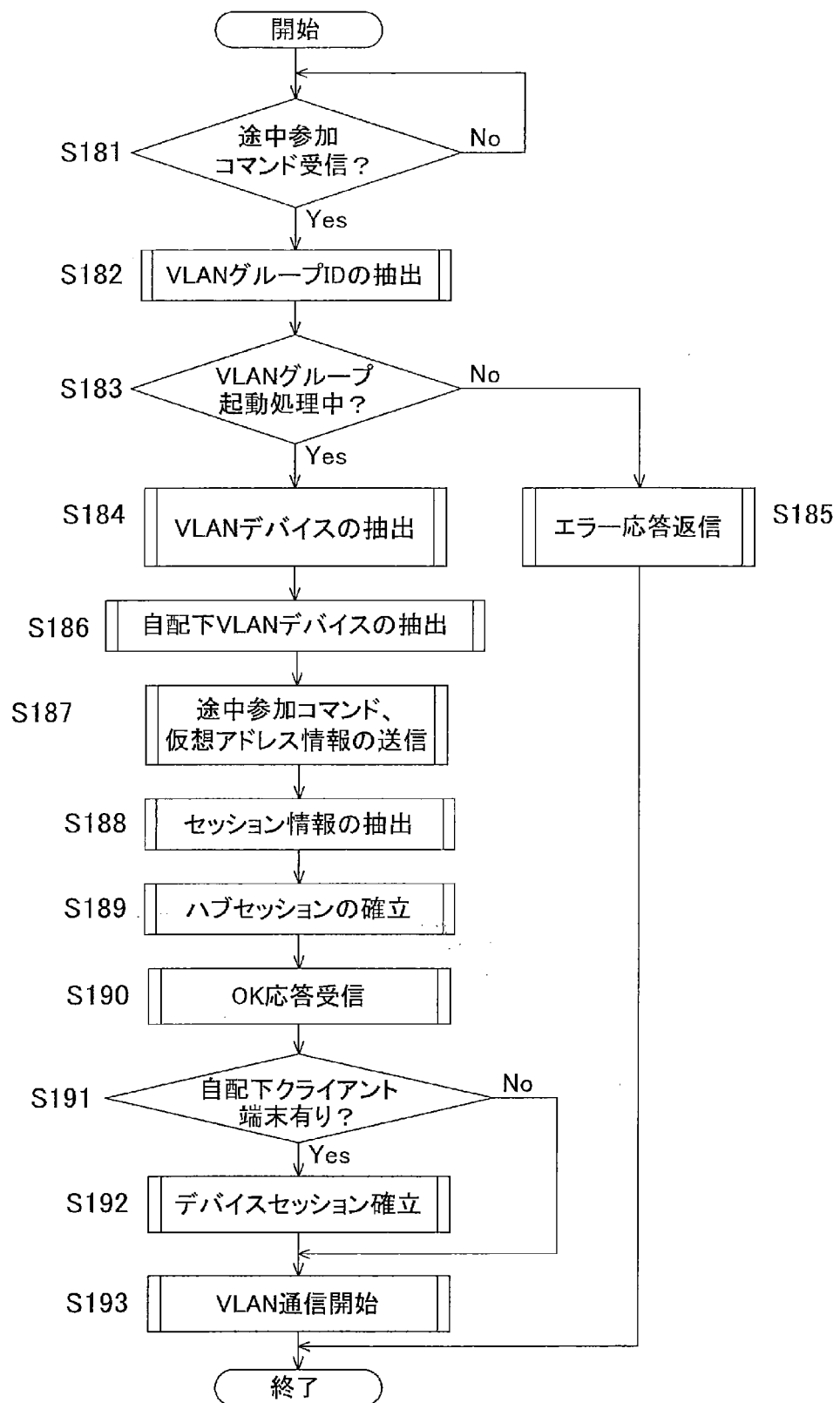
[図23B]



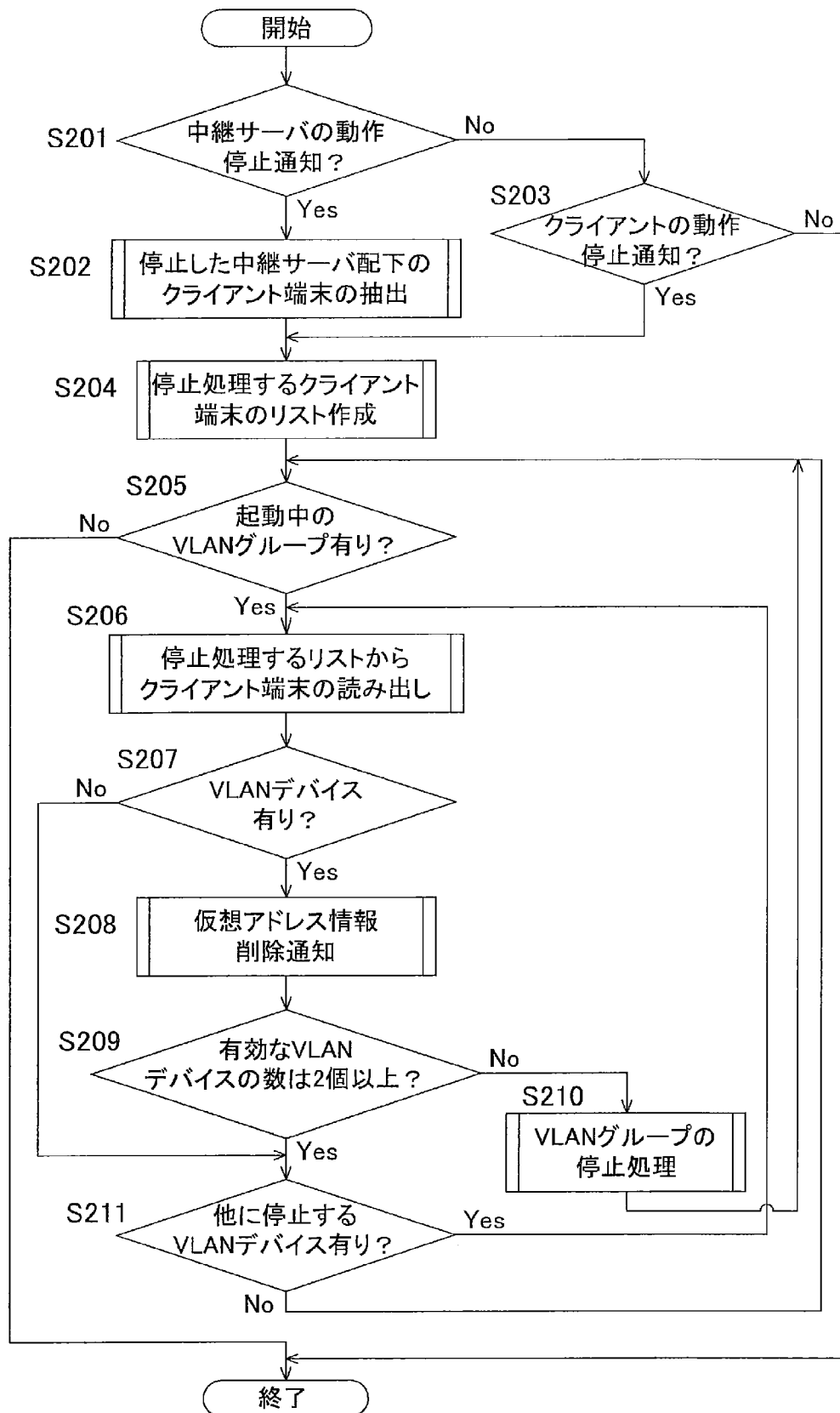
[図24]



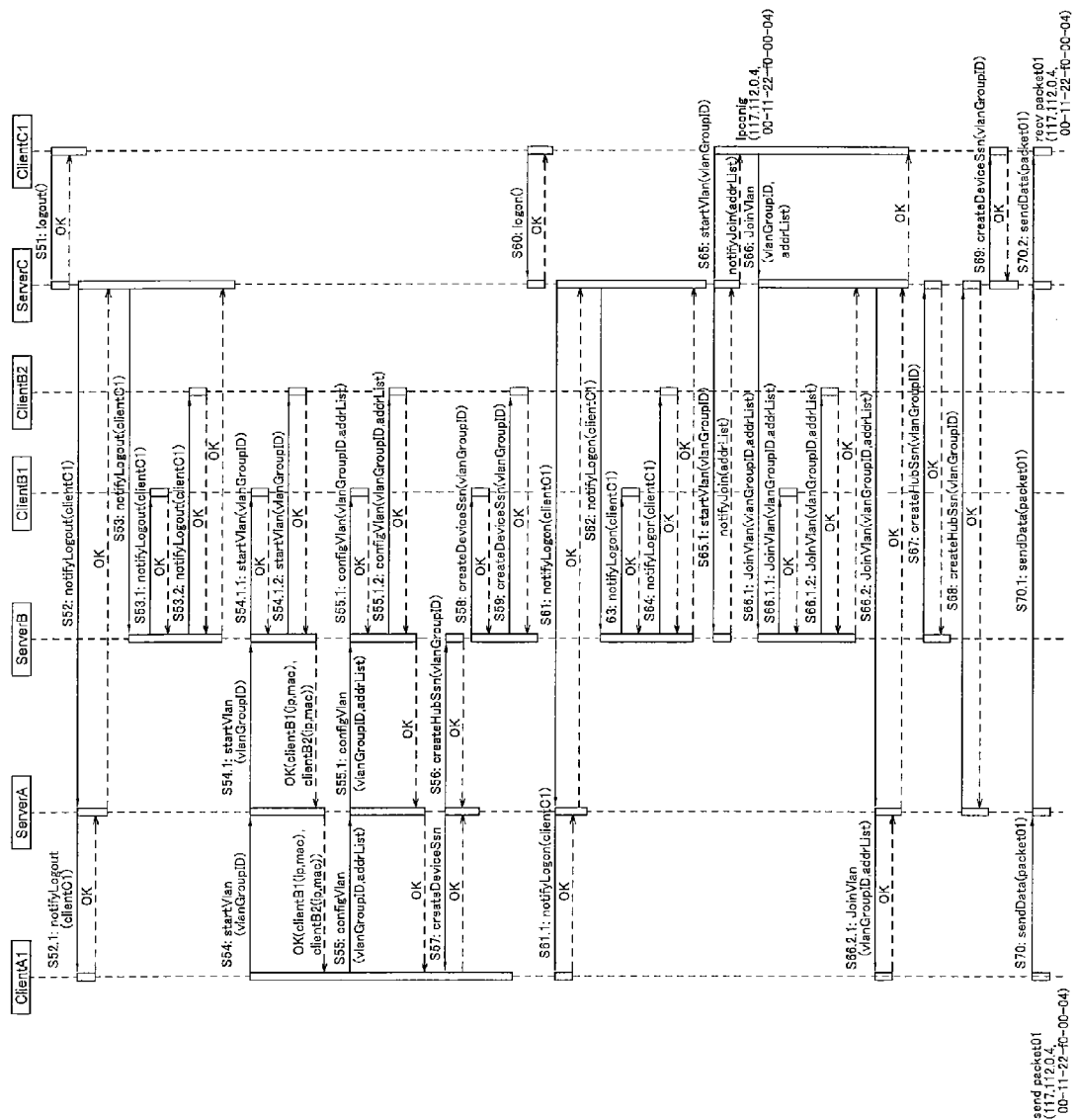
[図25]



[図26]



[図27]



[図28]

