

Fig.1

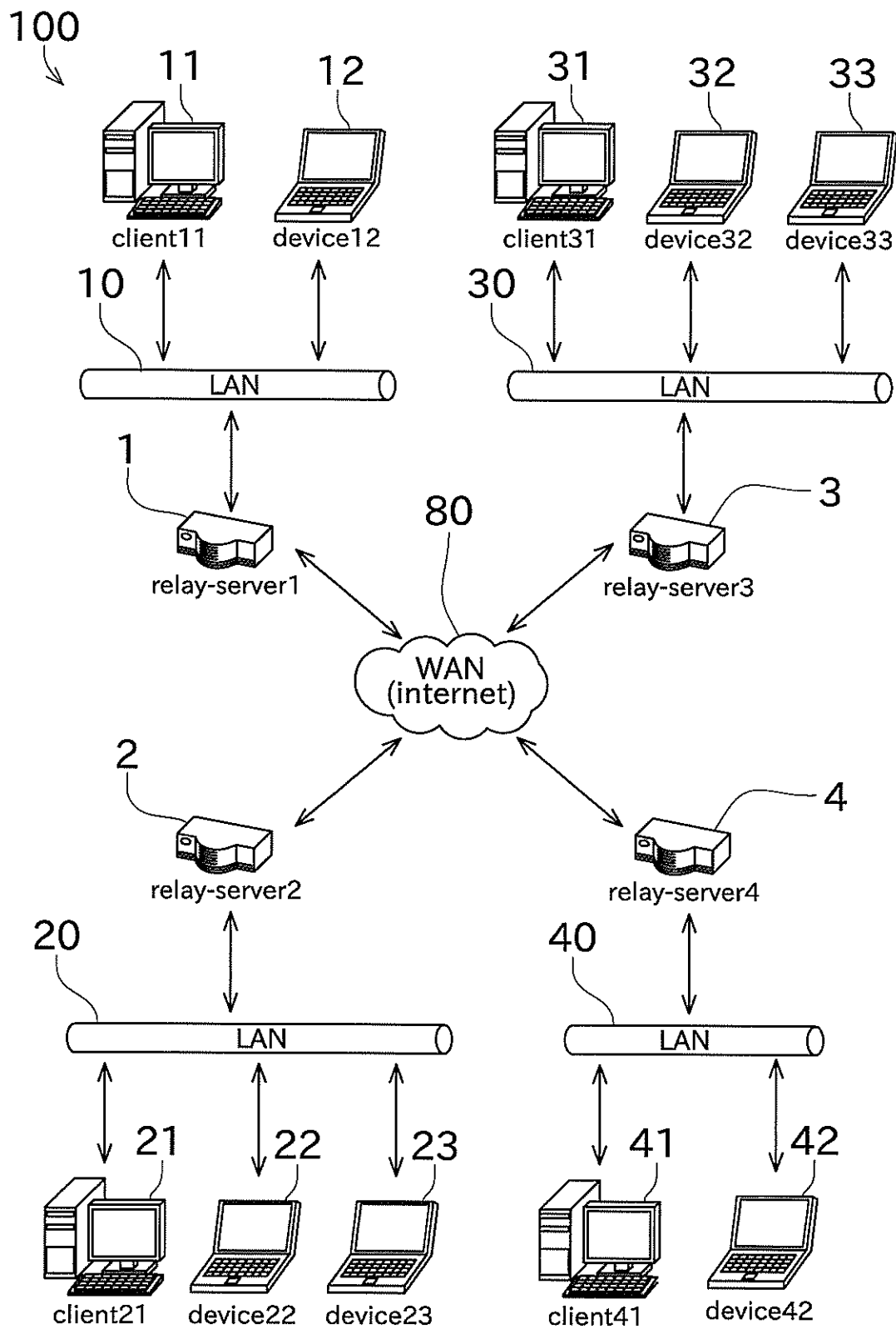
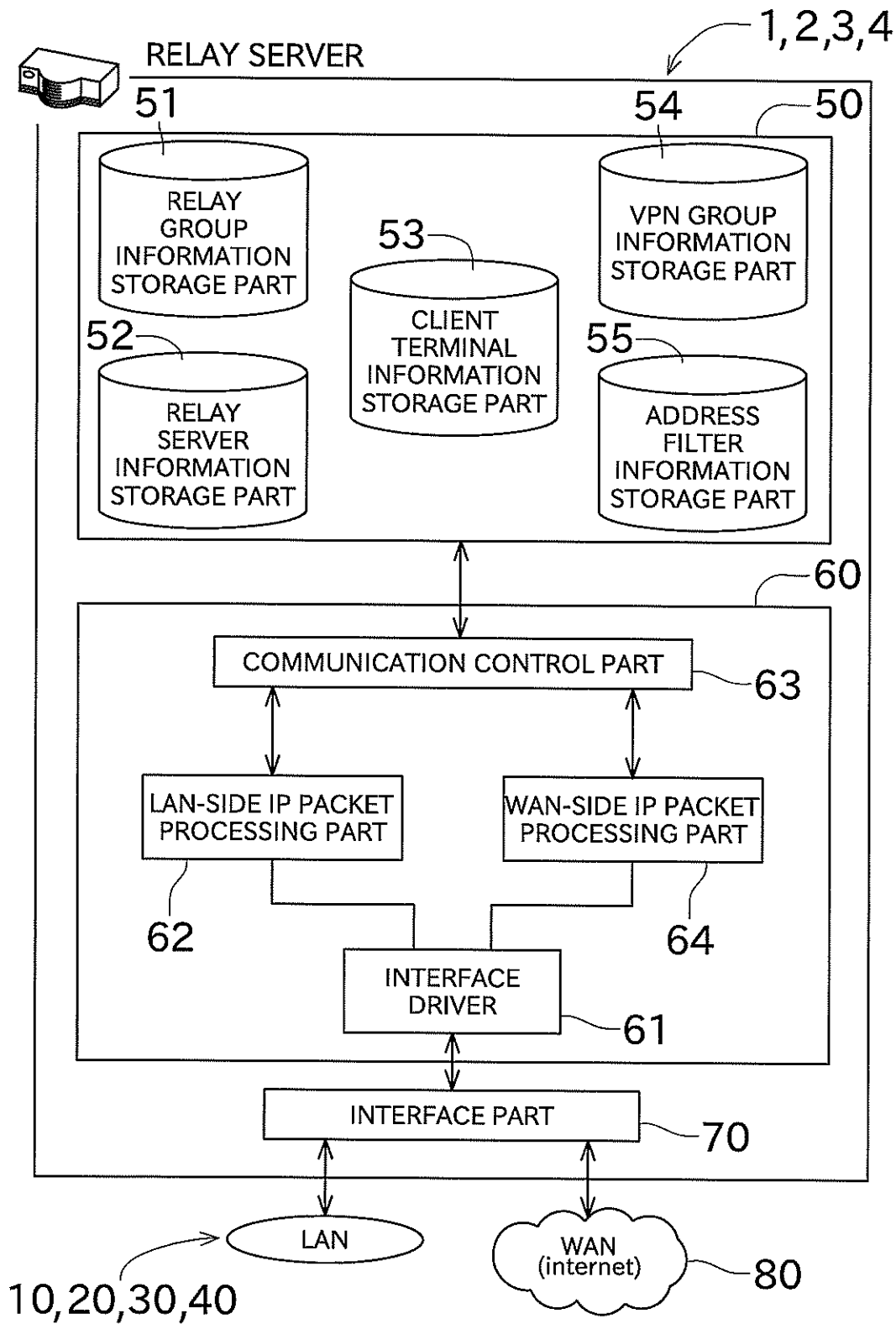


Fig.2



```

<?xml version="1.0" encoding="UTF-8" ?>
-<root>
  -<group id="group-a@relay-server-1.abc.net"
    lastmod="20090402133100" name="GROUP A"> } 511
    <site id="relay-server-1@abc.net" rel="allow"/>
    <site id="relay-server-2@abc.net" rel="allow"/> } 512
    <site id="relay-server-3@abc.net" rel="allow"/>
    <site id="relay-server-4@abc.net" rel="allow"/>
  </group>
</root>

```

Fig.4

```

<?xml version="1.0" encoding="UTF-8" ?>
-<root>
  -<site id="relay-server-1@abc.net"
    name="RELAY SERVER 1" stat="active"> } 521
    -<node group="group-a@relay-server-1.abc.net"
      id="client-11@relay-server-1.abc.net"
      name="CLIENT 11" site="relay-server-1@abc.net"/> } 522
    </site>
  -<site id="relay-server-2@abc.net"
    name="RELAY SERVER 2" stat="active"> } 521
    -<node group="group-a@relay-server-1.abc.net"
      id="client-21@relay-server-2.abc.net"
      name="CLIENT 21" site="relay-server-2@abc.net"/> } 522
    </site>
  -<site id="relay-server-3@abc.net"
    name="RELAY SERVER 3" stat="active"> } 521
    -<node group="group-a@relay-server-1.abc.net"
      id="client-31@relay-server-3.abc.net"
      name="CLIENT 31" site="relay-server-3@abc.net"/> } 522
    </site>
  -<site id="relay-server-4@abc.net"
    name="RELAY SERVER 4" stat="active"> } 521
    -<node group="group-a@relay-server-1.abc.net"
      id="client-41@relay-server-4.abc.net"
      name="CLIENT 41" site="relay-server-4@abc.net"/> } 522
    </site>
</root>

```

(a)

```
<?xml version="1.0" encoding="UTF-8" ?>
-<root>
  -<node addr="192.168.1.11"
    group="group-a@relay-server-1.abc.net"
    id="client-11@relay-server-1.abc.net"
    name="CLIENT 11" pass="abc" port="5070">
  </node>
</root>
```

(b)

```
<?xml version="1.0" encoding="UTF-8" ?>
-<root>
  -<node addr="192.168.2.21"
    group="group-a@relay-server-1.abc.net"
    id="client-21@relay-server-2.abc.net"
    name="CLIENT 21" pass="abc" port="5070">
  </node>
</root>
```

(c)

```
<?xml version="1.0" encoding="UTF-8" ?>
-<root>
  -<node addr="192.168.3.31"
    group="group-a@relay-server-1.abc.net"
    id="client-31@relay-server-3.abc.net"
    name="CLIENT 31" pass="abc" port="5070">
  </node>
</root>
```

(d)

```
<?xml version="1.0" encoding="UTF-8" ?>
-<root>
  -<node addr="192.168.4.41"
    group="group-a@relay-server-1.abc.net"
    id="client-41@relay-server-4.abc.net"
    name="CLIENT 41" pass="abc" port="5070">
  </node>
</root>
```

```

<?xml version="1.0" encoding="UTF-8"?>
-<root>
  -<vnet group="group-a@relay-server-1.abc.net"
    id="vpn-group-1@abc.net"
    lastmod="20090410162500" name="VPN-GROUP 1">
    <rp id="client-11@relay-server-1.abc.net"/>
    <rp id="client-21@relay-server-2.abc.net"/>
    <rp id="relay-server-3@abc.net"/>
    <ssn sp="client-11@relay-server-1.abc.net"
      ep="client-21@relay-server-2.abc.net"/>
    <ssn sp="client-11@relay-server-1.abc.net"
      ep="relay-server-3@abc.net"/>
    <ssn sp="client-21@relay-server-2.abc.net"
      ep="relay-server-3@abc.net"/>
  </vnet>
</root>

```

} 541
 } 542
 } 543

Fig.7

(a)

CLIENT TERMINAL 11	PROCESSING APPARATUS 12
CLIENT TERMINAL 21	PROCESSING APPARATUS 22
	PROCESSING APPARATUS 23
RELAY SERVER 3	LAN 30

(b)

"client-11@relay-server-1.abc.net"	192.168.1.12	PROCESSING APPARATUS 12
"client-21@relay-server-2.abc.net"	192.168.2.22	PROCESSING APPARATUS 22
	192.168.2.23	PROCESSING APPARATUS 23
"relay-server-3@abc.net"	192.168.3.0/24	LAN 30

Fig.8

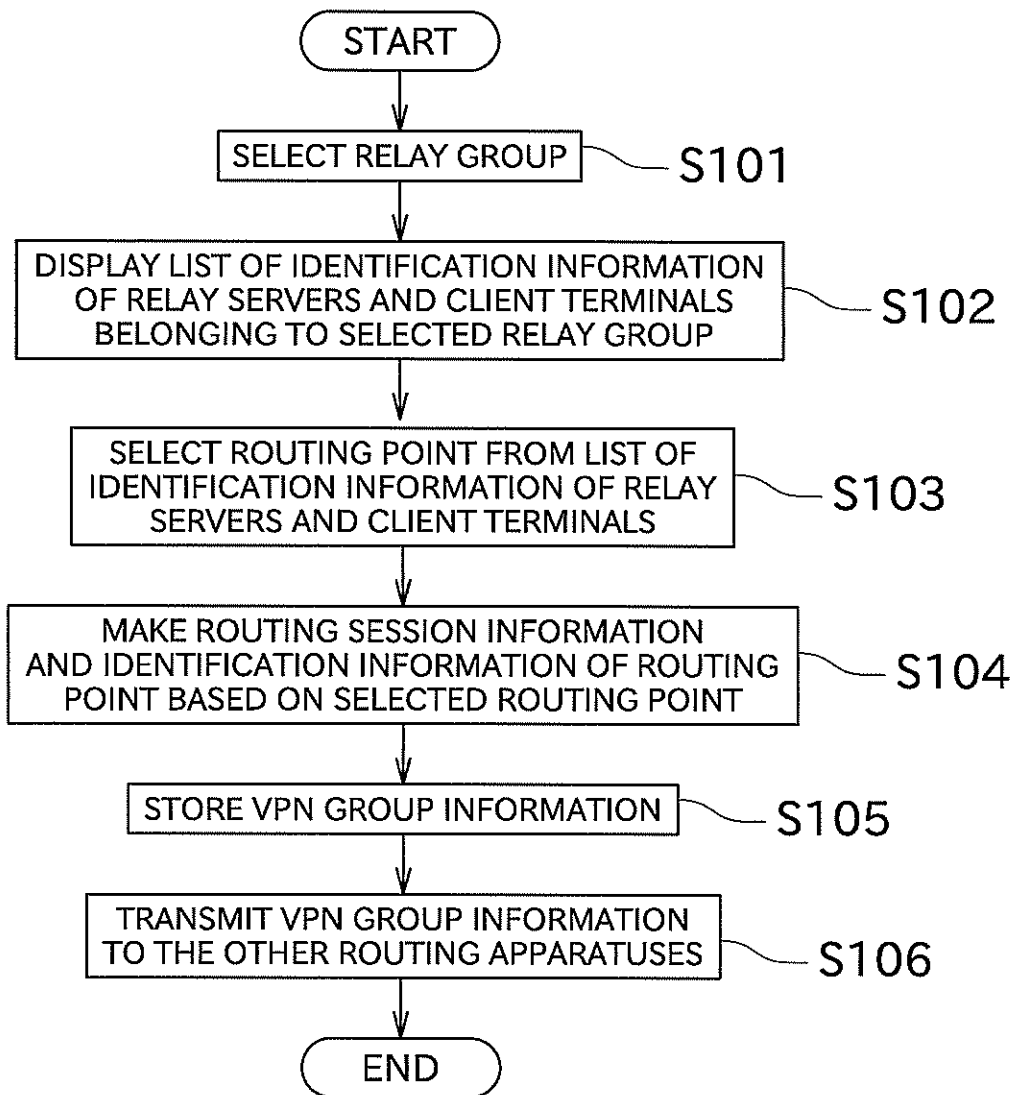


Fig.9

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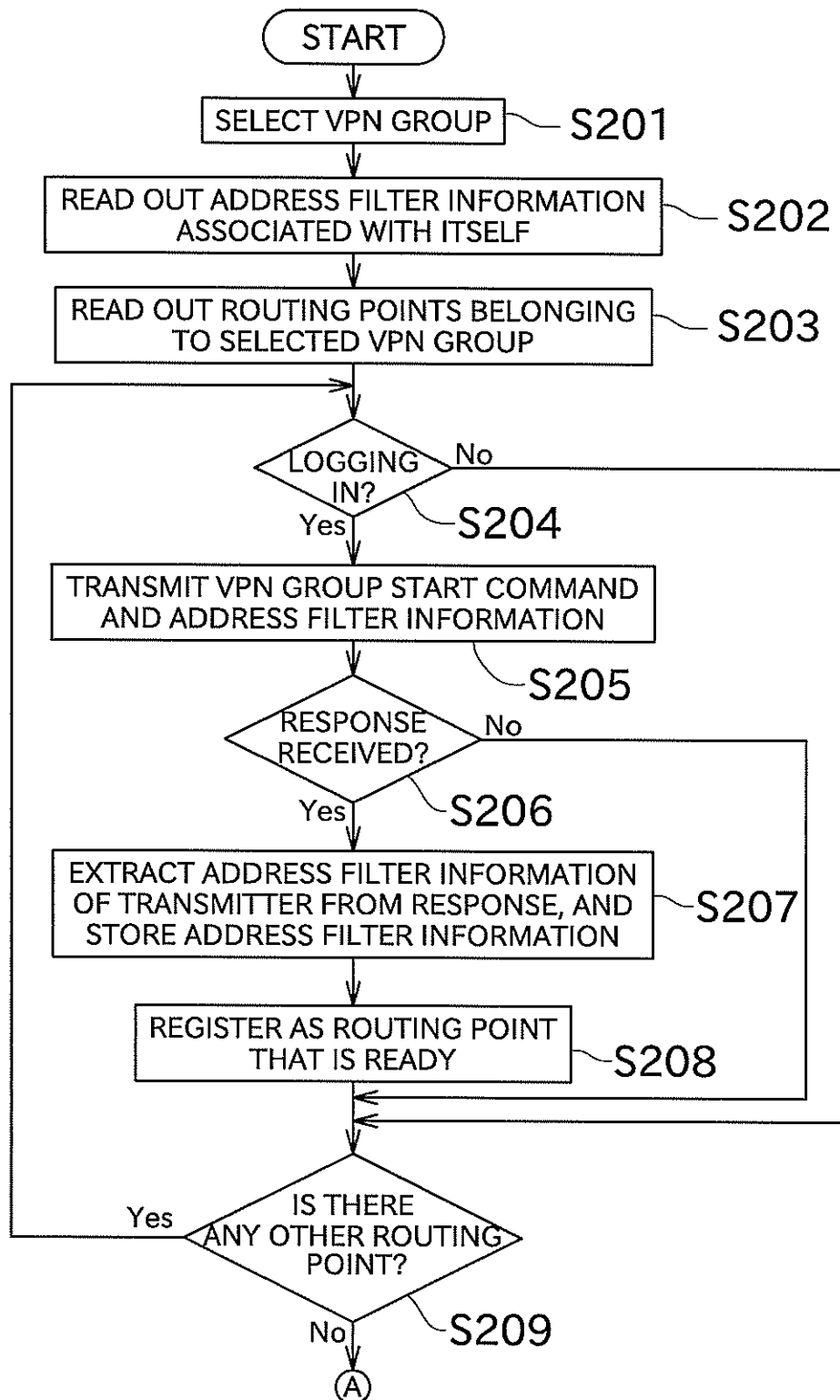
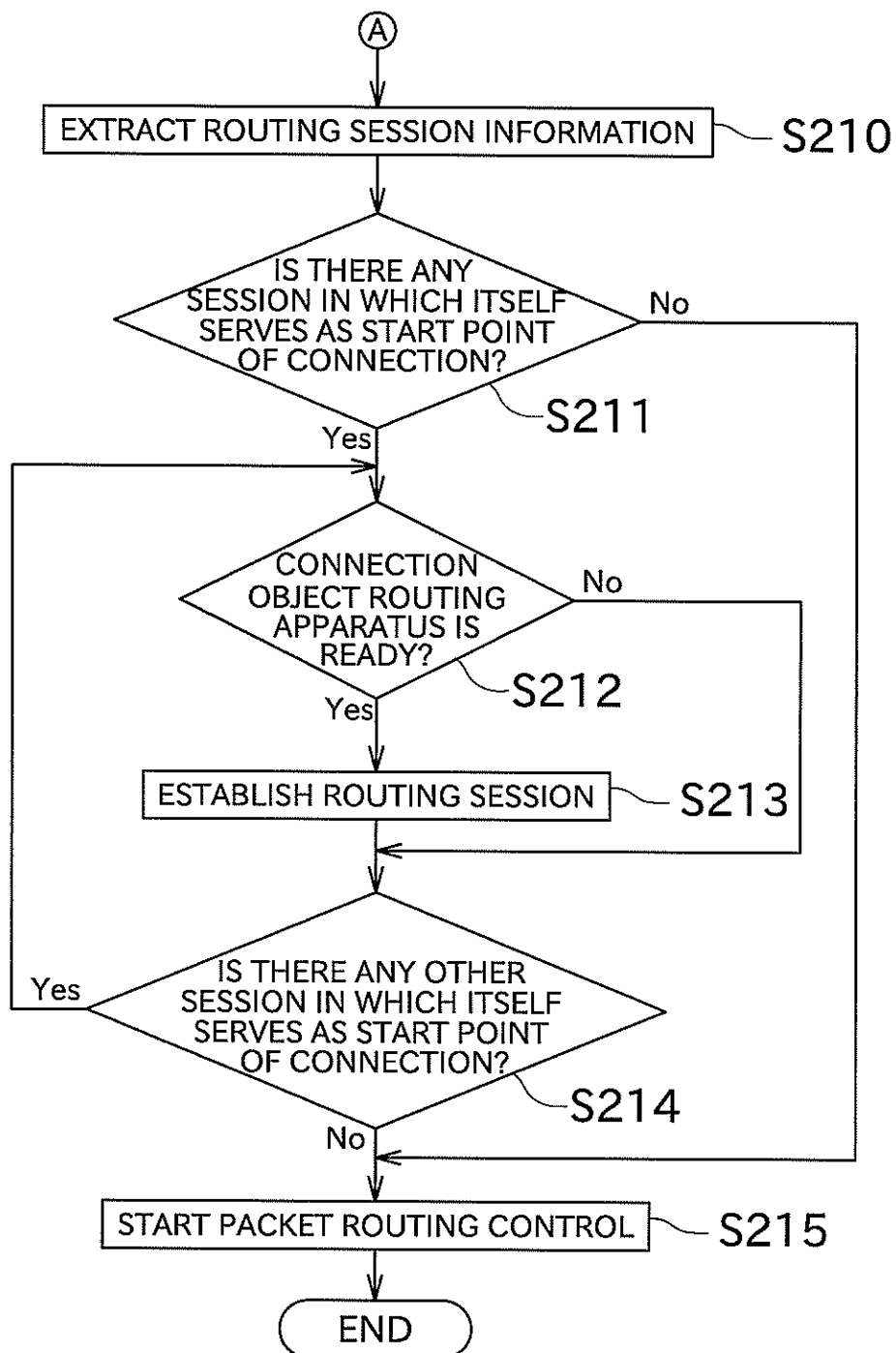


Fig.10



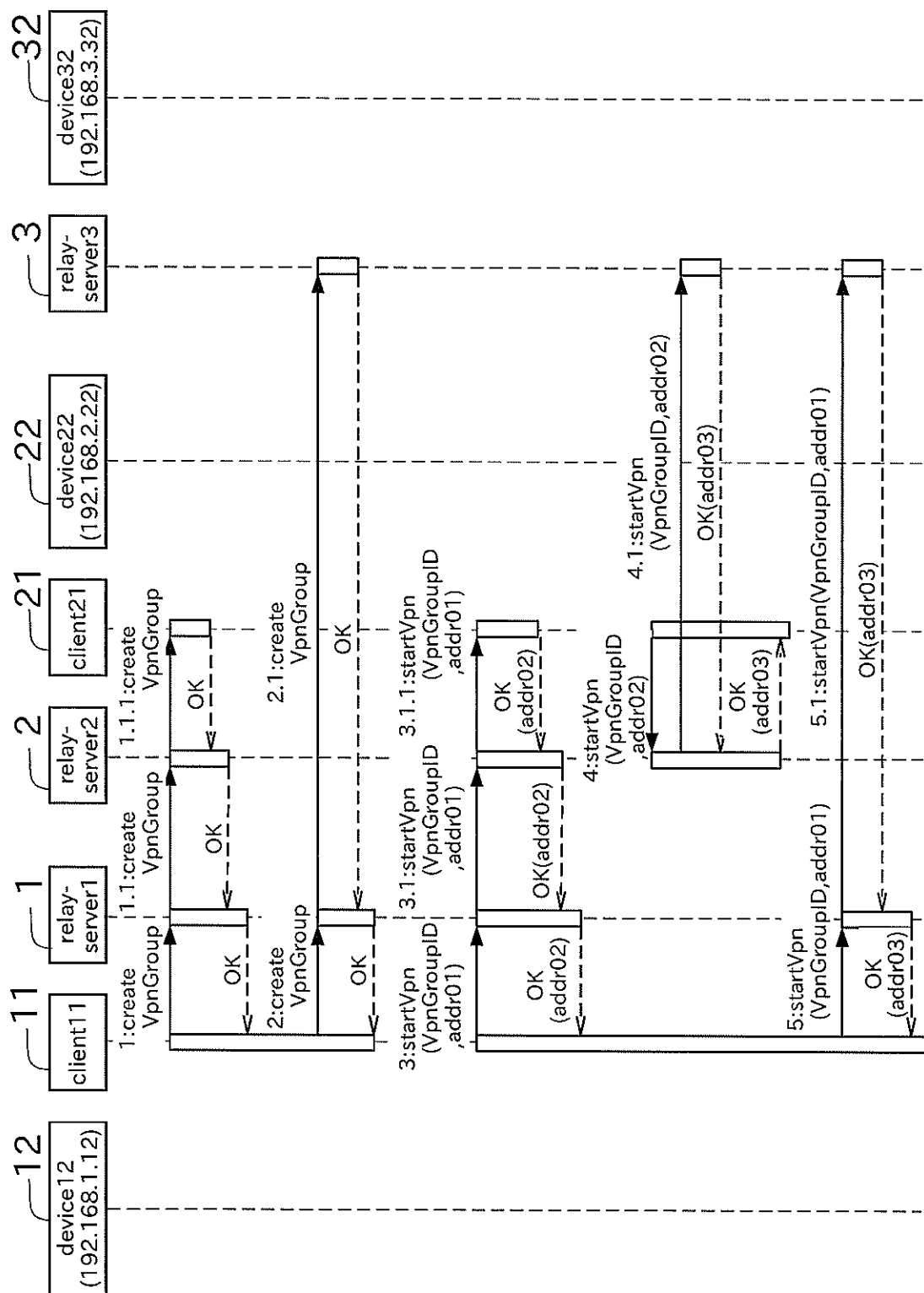


Fig.12

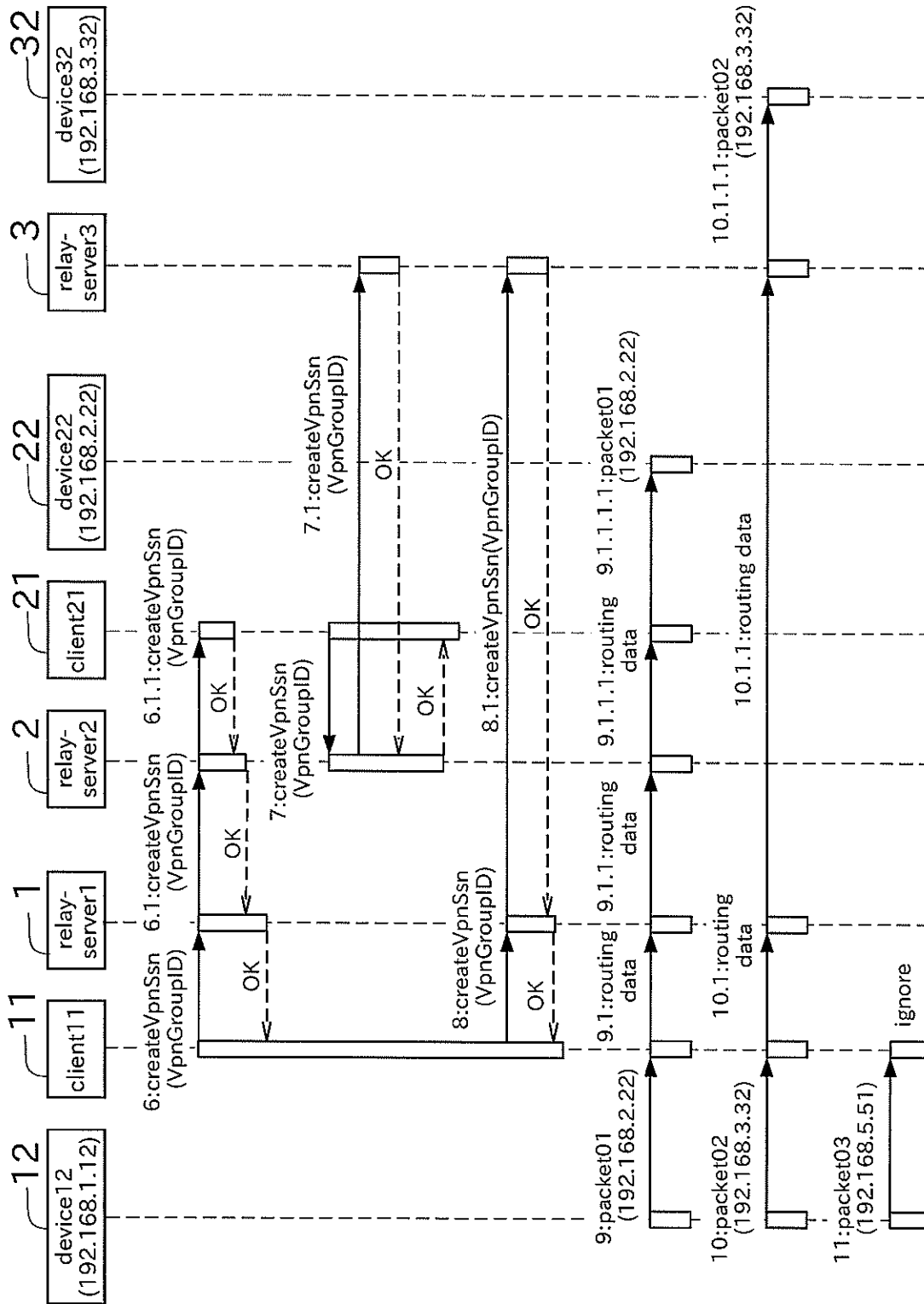


Fig. 13

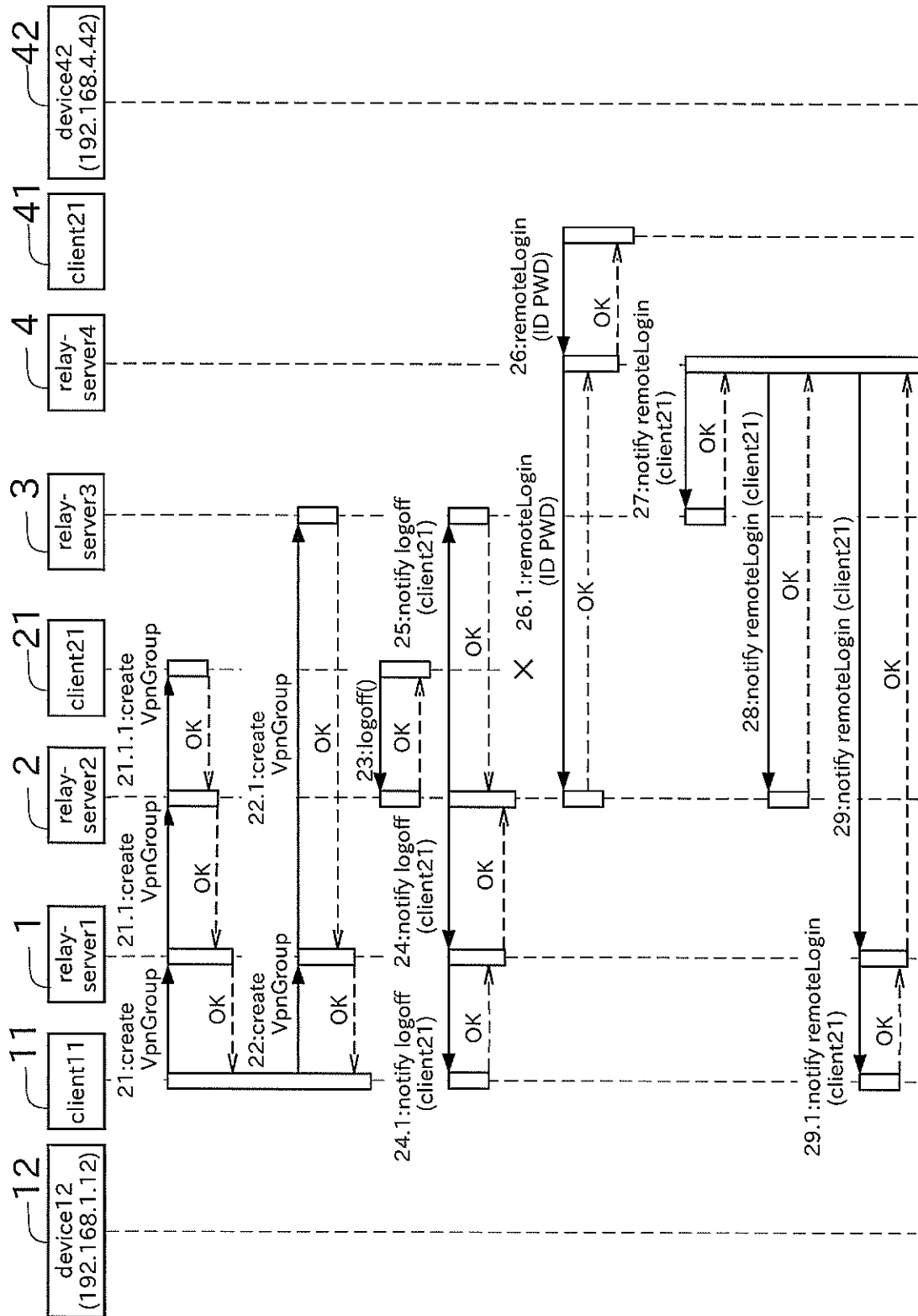
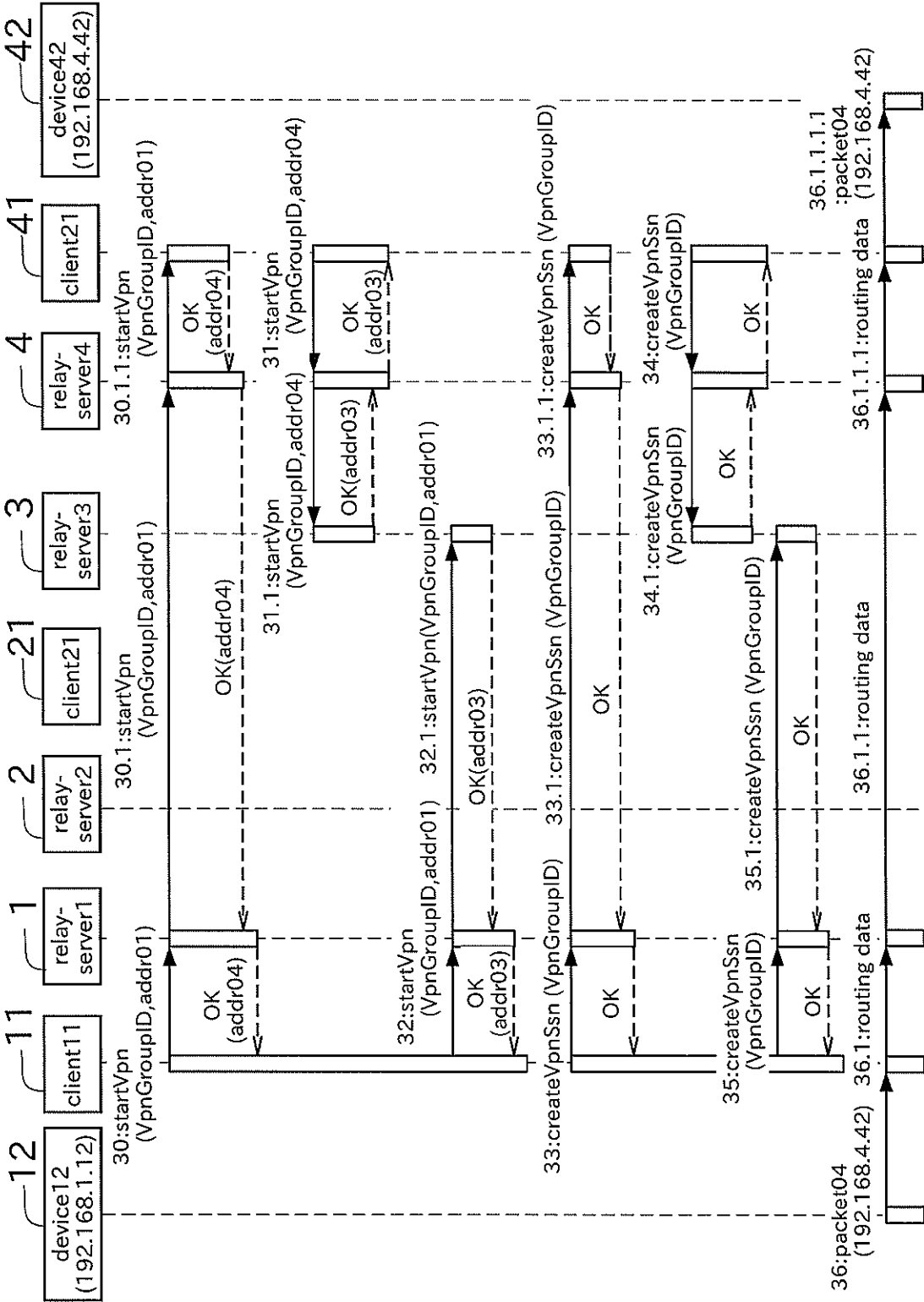


Fig.14



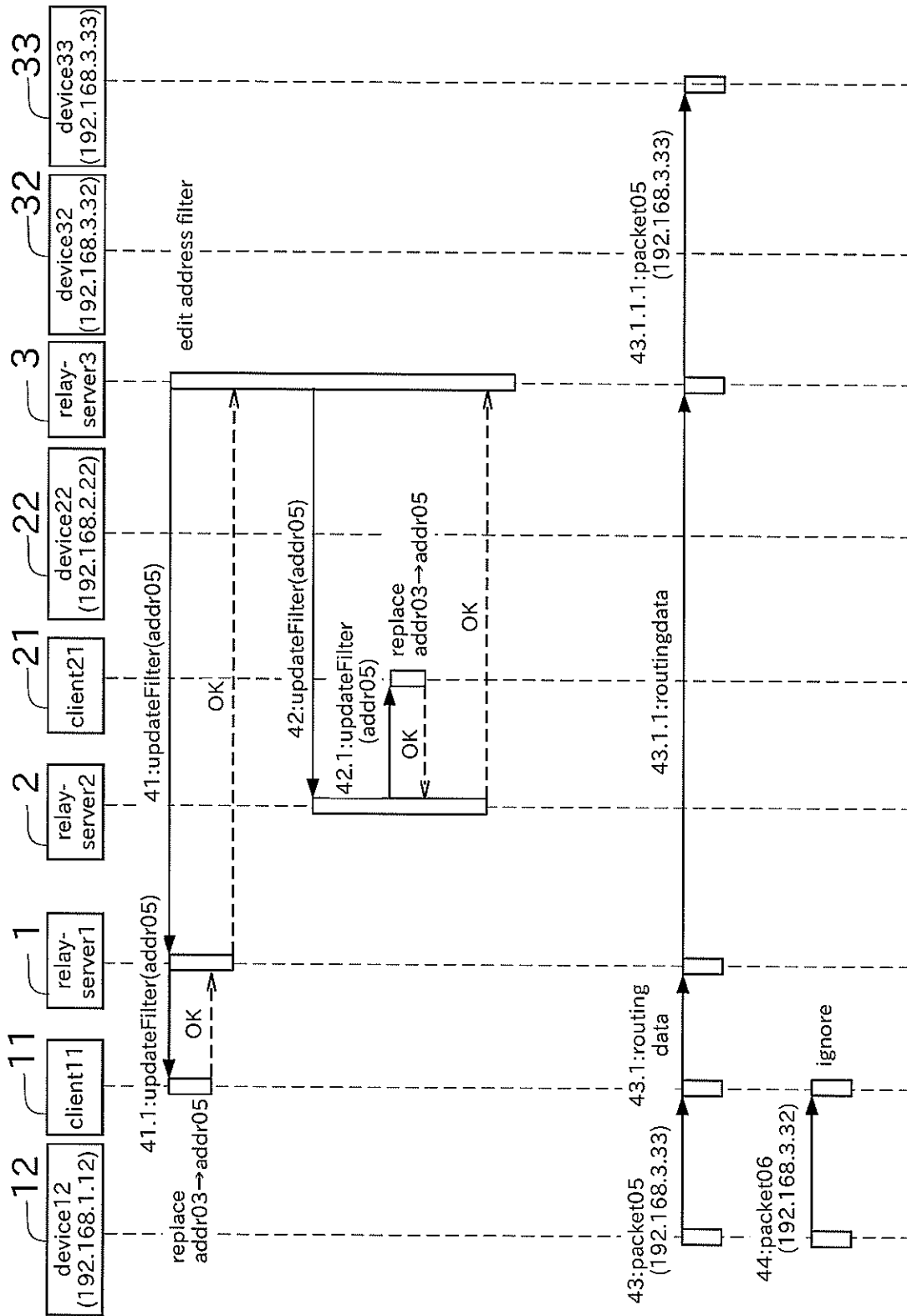
(a)

CLIENT TERMINAL 11	PROCESSING APPARATUS 12
CLIENT TERMINAL 41	PROCESSING APPARATUS 42
RELAY SERVER 3	LAN 30

(b)

"client-11@relay-server-1.abc.net"	192.168.1.12	PROCESSING APPARATUS 12
"client-21@relay-server-2.abc.net"	192.168.4.42	PROCESSING APPARATUS 42
"relay-server-3@abc.net"	192.168.3.0/24	LAN 30

Fig. 16

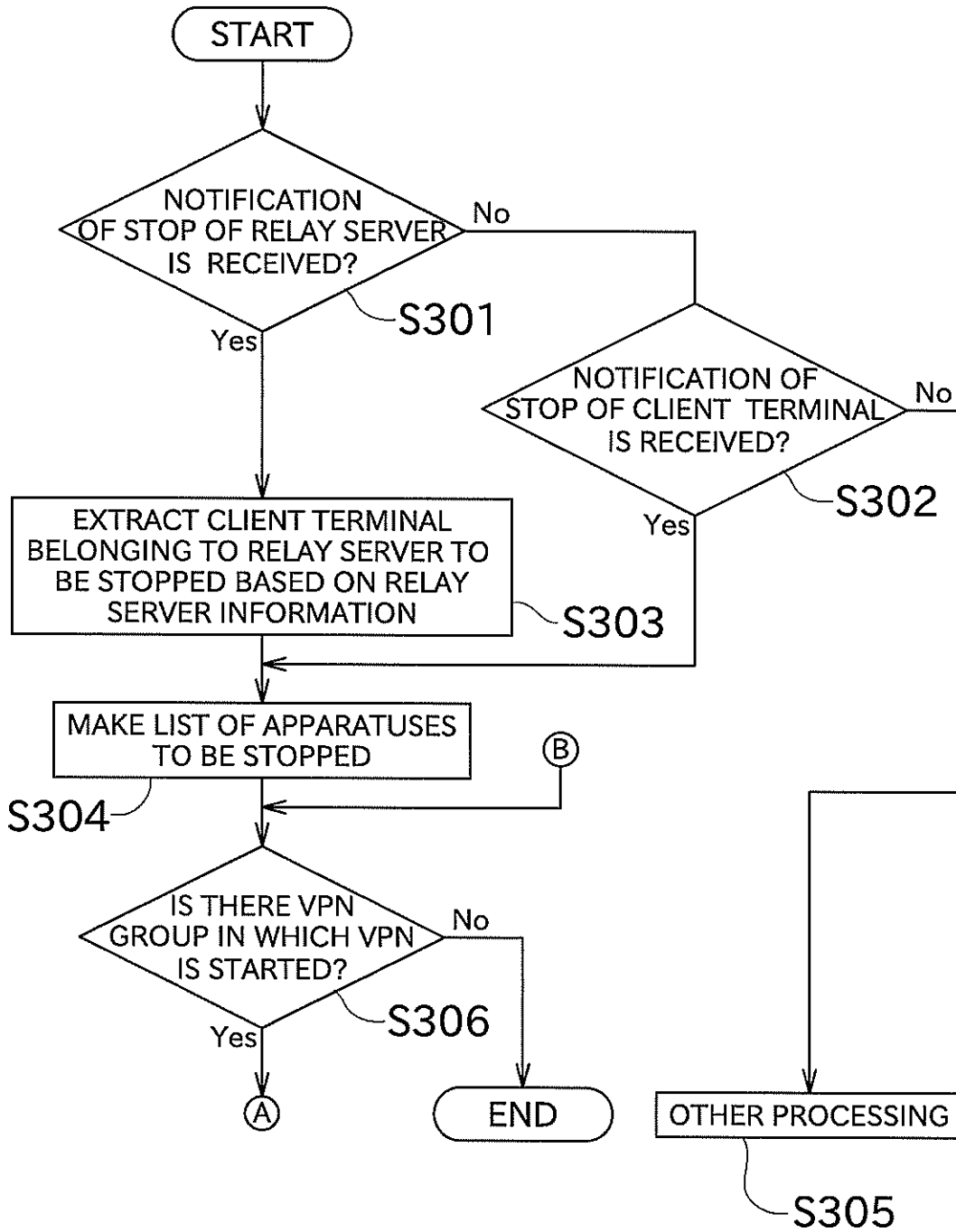


(a)

CLIENT TERMINAL 11	PROCESSING APPARATUS 12
CLIENT TERMINAL 21	PROCESSING APPARATUS 22
	PROCESSING APPARATUS 23
RELAY SERVER 3	PROCESSING APPARATUS 33

(b)

"client-11@relay-server-1.abc.net"	192.168.1.12	PROCESSING APPARATUS 12
"client-21@relay-server-2.abc.net"	192.168.2.22	PROCESSING APPARATUS 22
	192.168.2.23	PROCESSING APPARATUS 23
"relay-server-3@abc.net"	192.168.3.33	PROCESSING APPARATUS 33



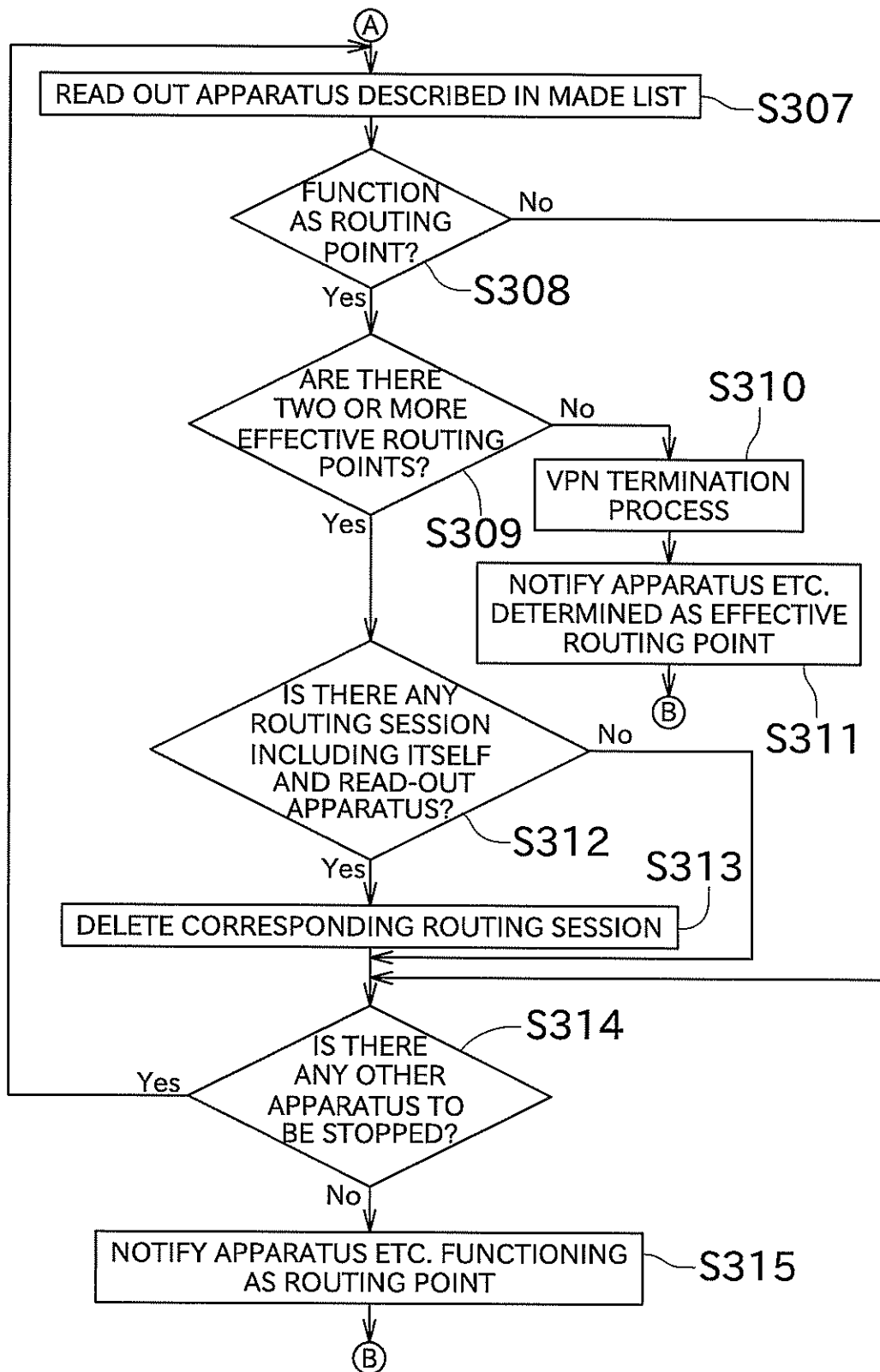


Fig.20

