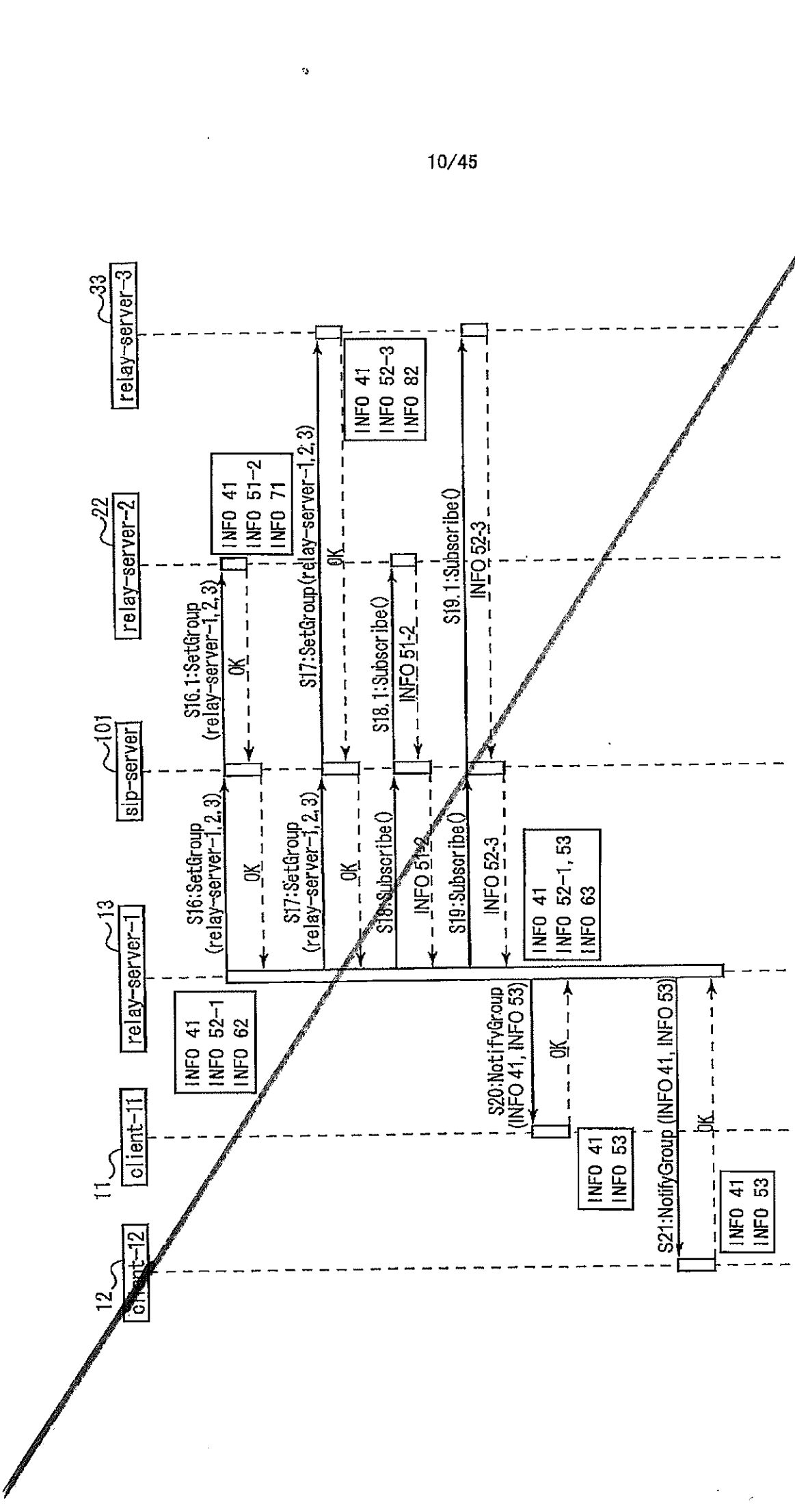

client-12
client-11
relay-server-1
sip-server
relay-server-2
relay-server-3
INFO 41
INFO 52-1
INFO 62
S16:SetGroup (relay-server-1,2,3)
OK
S16.1:SetGroup (relay-server-1,2,3)
INFO 41
INFO 51-2
INFO 71
S17:SetGroup (relay-server-1,2,3)
OK
INFO 41
INFO 52-3
INFO 82
S18:Subscribe()
INFO 51-2
S18.1:Subscribe()
S19:Subscribe()
INFO 52-3
S19.1:Subscribe()
INFO 41
INFO 52-1, 53
INFO 63
S20:NotifyGroup (INFO 41, INFO 53)
OK
INFO 41
INFO 53
S21:NotifyGroup (INFO 41, INFO 53)
OK
INFO 41
INFO 53

FIG. 10

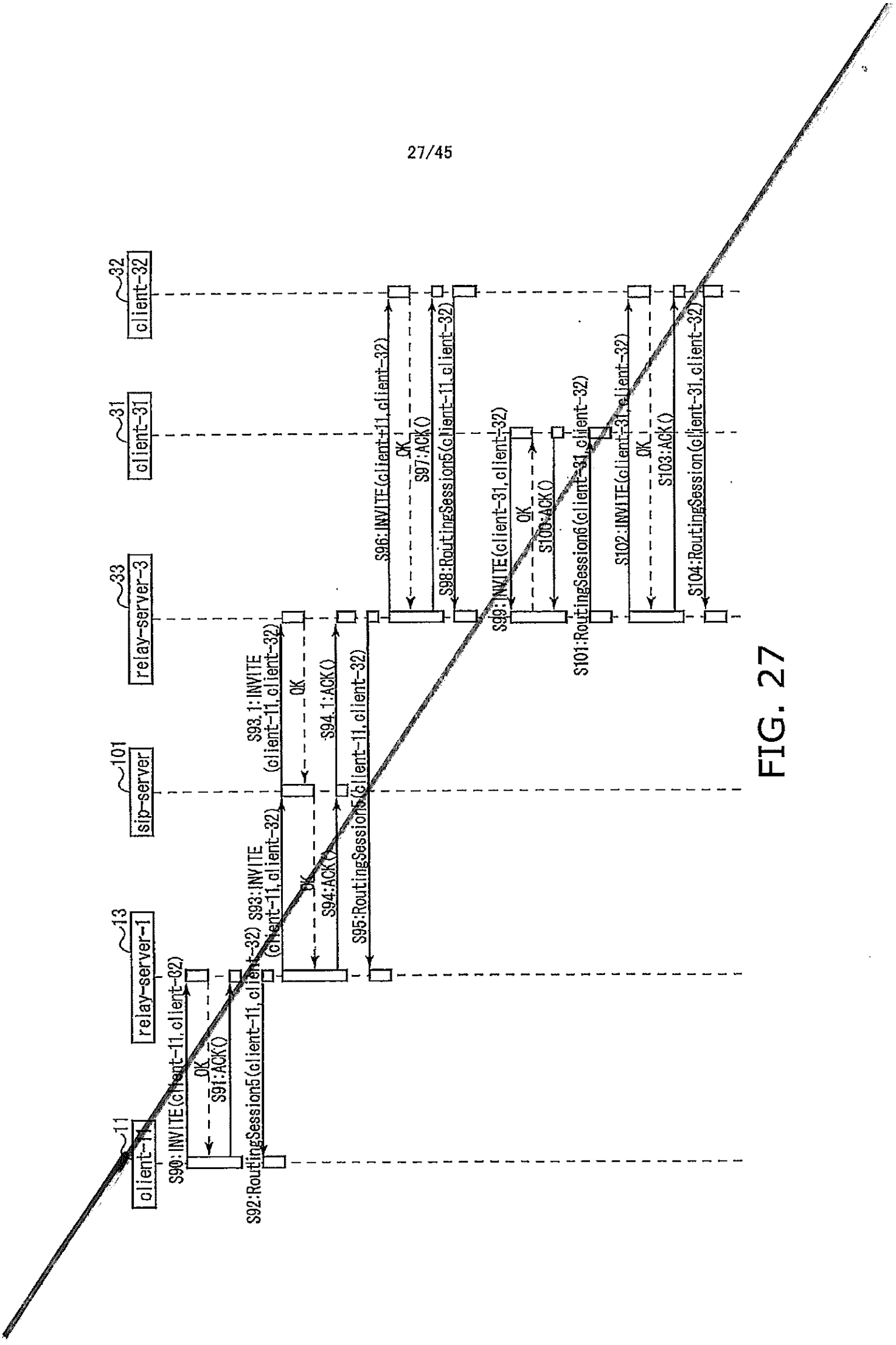

client-11
relay-server-1
sip-server
relay-server-3
client-31
client-32
S90:INVITE(client-11,client-32)
OK
S91:ACK()
S92:RoutingSession5(client-11,client-32)
S93:INVITE (client-11,client-32)
OK
S94:ACK()
S93.1:INVITE (client-11,client-32)
OK
S94.1:ACK()
S95:RoutingSession5(client-11,client-32)
S96:INVITE(client-11,client-32)
OK
S97:ACK()
S98:RoutingSession5(client-11,client-32)
S99:INVITE(client-31,client-32)
OK
S100:ACK()
S101:RoutingSession6(client-31,client-32)
S102:INVITE(client-31,client-32)
OK
S103:ACK()
S104:RoutingSession(client-31,client-32)

FIG. 27

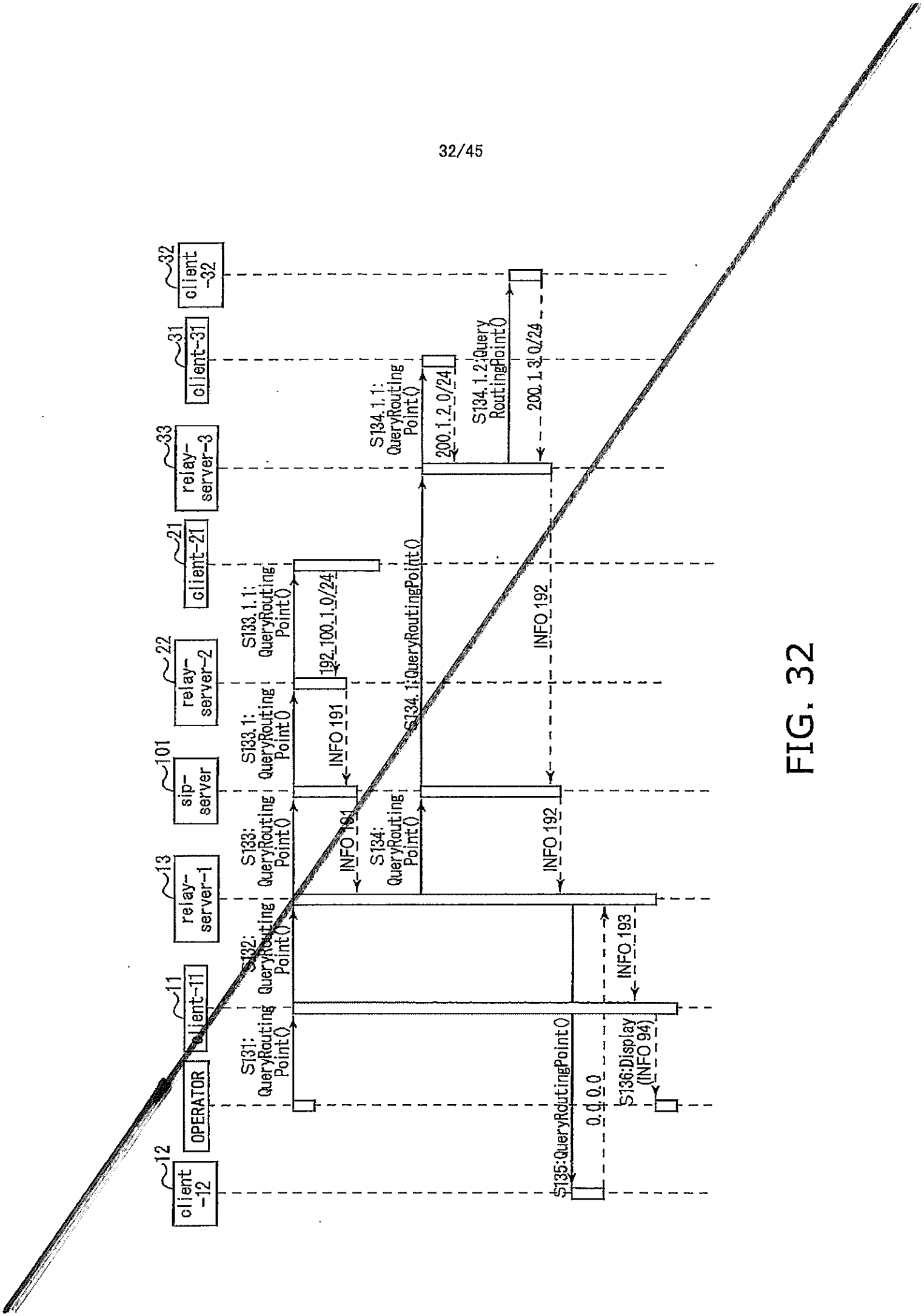

client -12
OPERATOR
client-11
relay-server-1
sip-server
relay-server-2
client-21
relay-server-3
client-31
client -32
S131: QueryRouting Point()
S132: QueryRouting Point()
S133: QueryRouting Point()
S133.1: QueryRouting Point()
S133.1.1: QueryRouting Point()
S134: QueryRouting Point()
S134.1: QueryRoutingPoint()
S134.1.1: QueryRouting Point()
S134.1.2: Query RoutingPoint()
S135: QueryRoutingPoint()
S136: Display (INFO 94)
0.0.0.0
INFO 191
INFO 192
INFO 193
192.100.1.0/24
200.1.2.0/24
200.1.3.0/24

FIG. 32

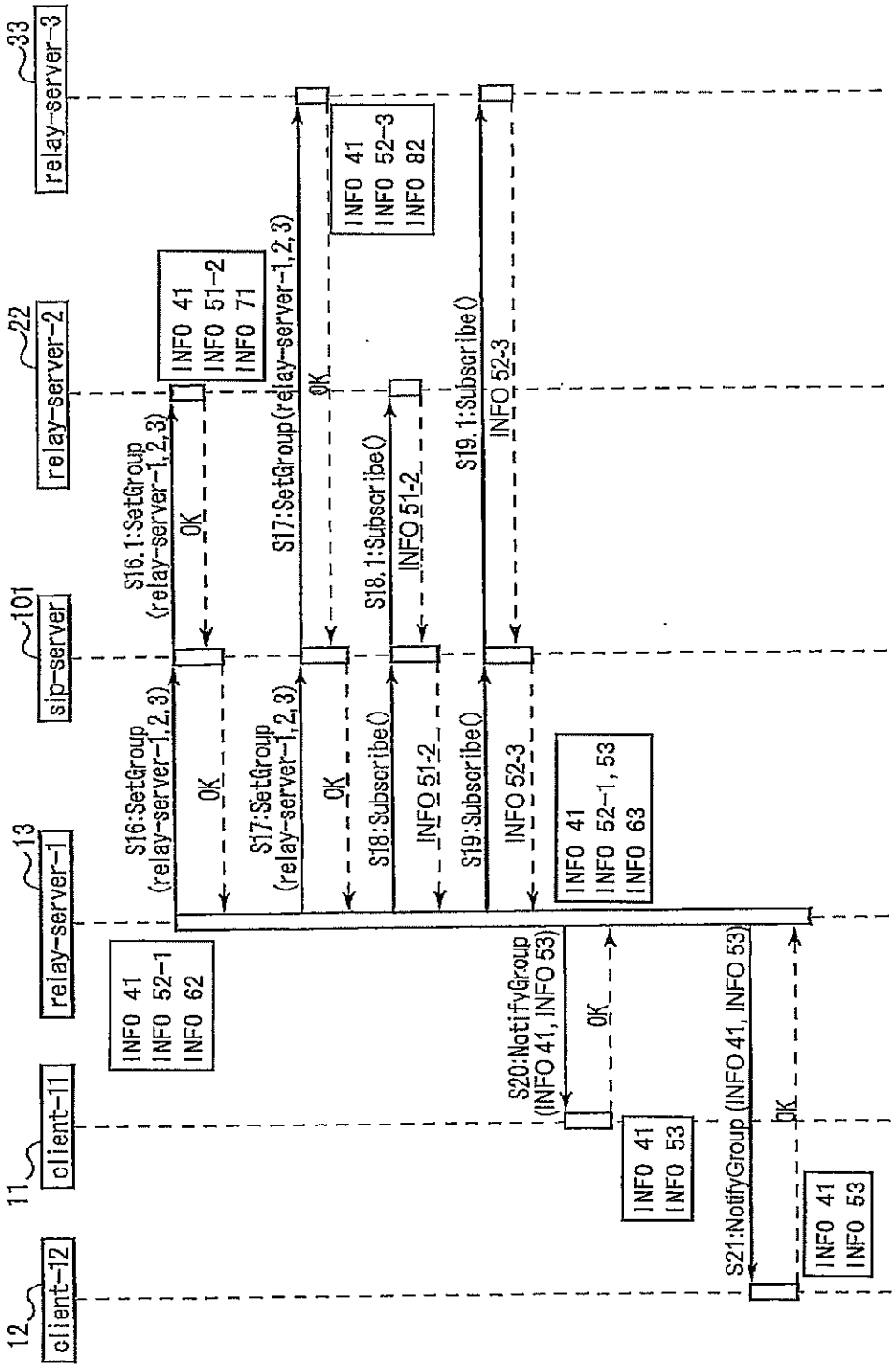

client-12
client-11
relay-server-1
sip-server
relay-server-2
relay-server-3
INFO 41
INFO 52-1
INFO 62
S16:SetGroup (relay-server-1,2,3)
OK
S17:SetGroup (relay-server-1,2,3)
S16.1:SetGroup (relay-server-1,2,3)
INFO 41
INFO 51-2
INFO 71
S17:SetGroup(relay-server-1,2,3)
INFO 41
INFO 52-3
INFO 82
S18:Subscribe()
INFO 51-2
S18.1:Subscribe()
INFO 51-2
S19:Subscribe()
INFO 52-3
S19.1:Subscribe()
INFO 52-3
INFO 41
INFO 52-1, 53
INFO 63
S20:NotifyGroup (INFO 41, INFO 53)
INFO 41
INFO 53
S21:NotifyGroup (INFO 41, INFO 53)
INFO 41
INFO 53

FIG. 10

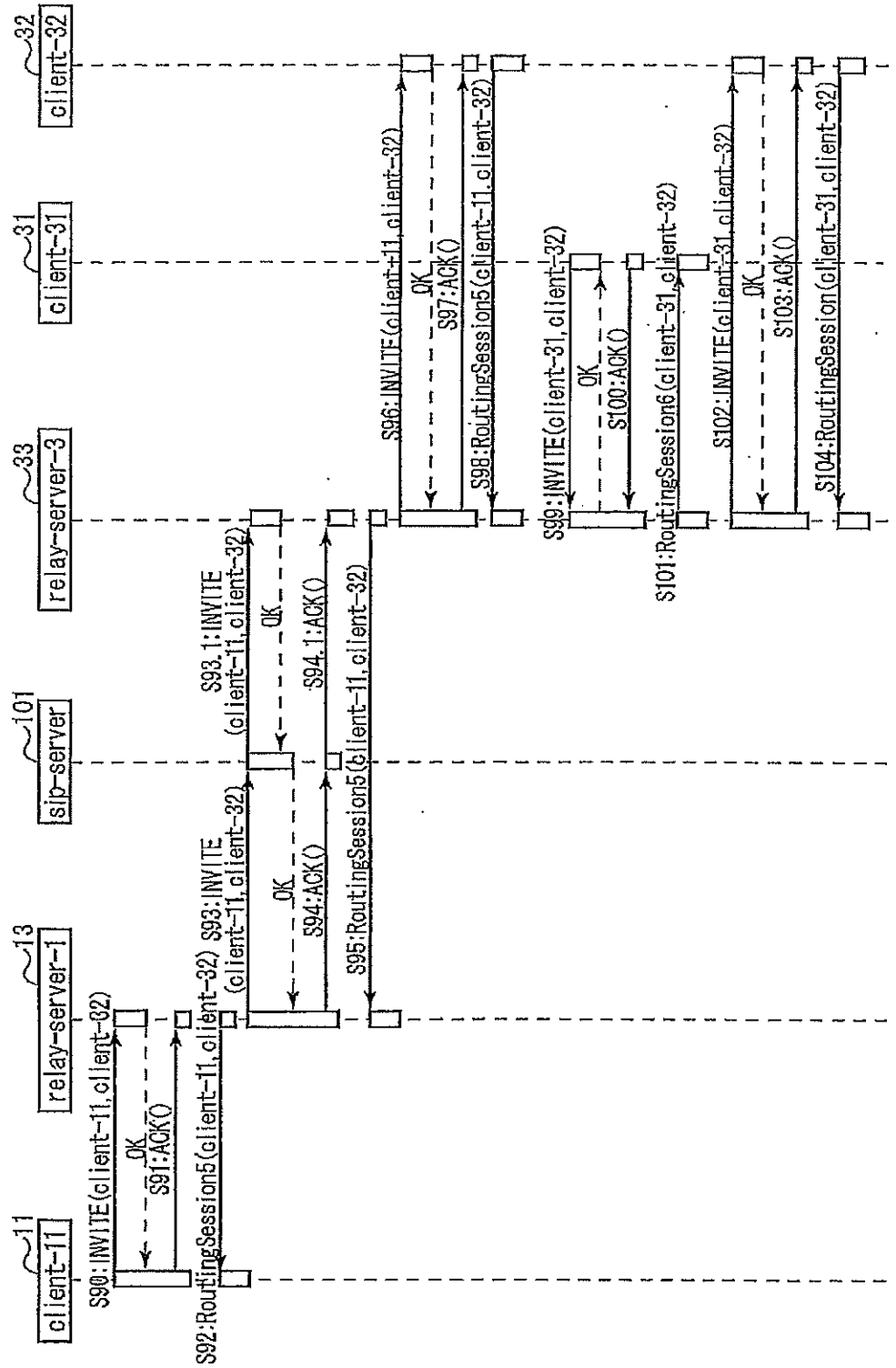

client-11
relay-server-1
sip-server
relay-server-3
client-31
client-32
S90:INVITE(client-11,client-32)
OK
S91:ACK()
S92:RoutingSession5(client-11,client-32)
S93:INVITE (client-11,client-32)
S93.1:INVITE (client-11,client-32)
OK
S94:ACK()
S94.1:ACK()
S95:RoutingSession5(client-11,client-32)
S96:INVITE(client-11,client-32)
OK
S97:ACK()
S98:RoutingSession5(client-11,client-32)
S99:INVITE(client-31,client-32)
OK
S100:ACK()
S101:RoutingSession6(client-31,client-32)
S102:INVITE(client-31,client-32)
OK
S103:ACK()
S104:RoutingSession(client-31,client-32)

FIG. 27

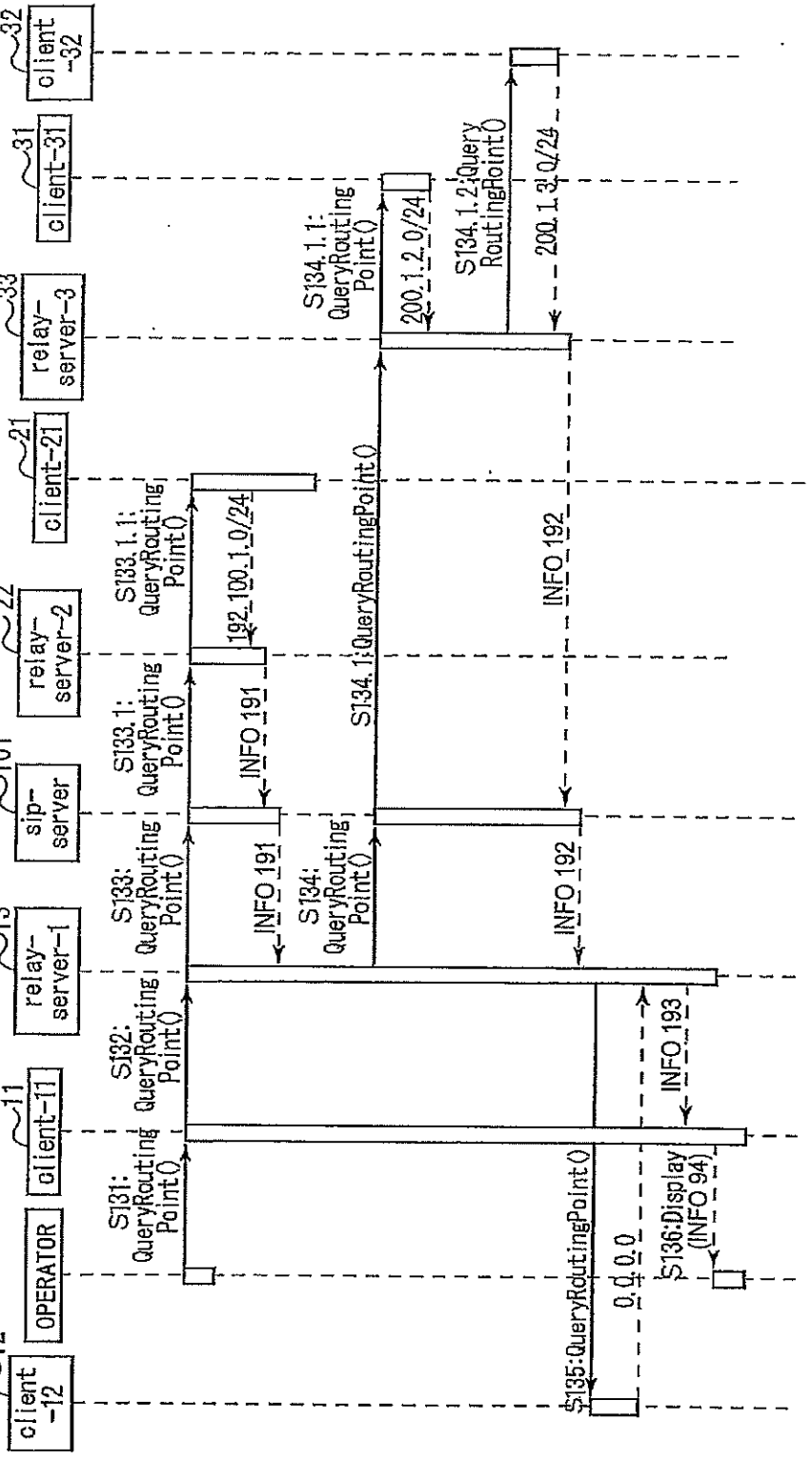

client -12
OPERATOR
client-11
relay- server-1
sip- server
relay- server-2
client-21
relay- server-3
client-31
client -32
S131: QueryRouting Point()
S132: QueryRouting Point()
S133: QueryRouting Point()
S133.1: QueryRouting Point()
S133.1.1: QueryRouting Point()
S134: QueryRouting Point()
S134.1: QueryRoutingPoint()
S134.1.1: QueryRouting Point()
S134.1.2:Query RoutingPoint()
INFO_191
INFO_192
INFO_193
192.100.1.0/24
200.1.2.0/24
200.1.3.0/24
0.0.0.0
S135:QueryRoutingPoint()
S136:Display (INFO_94)

FIG. 32