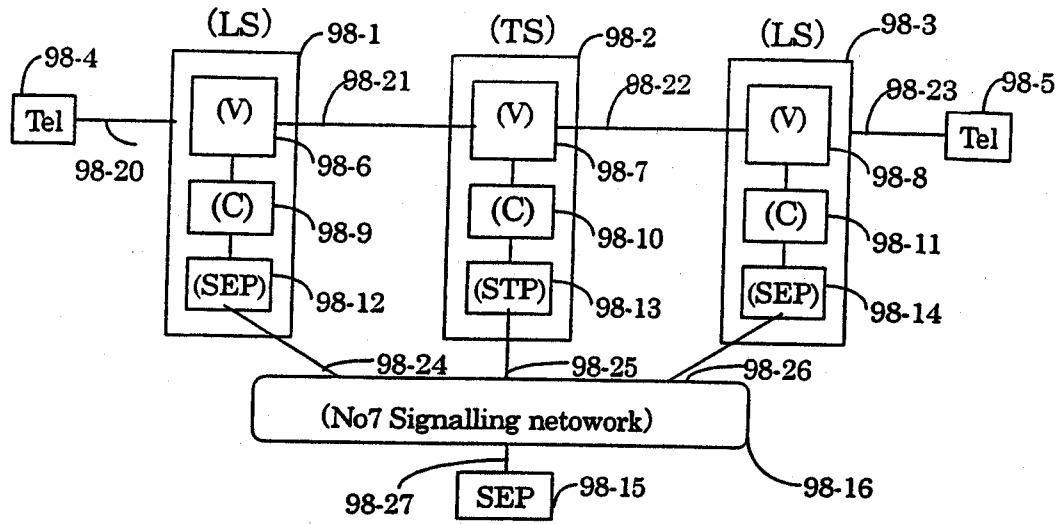
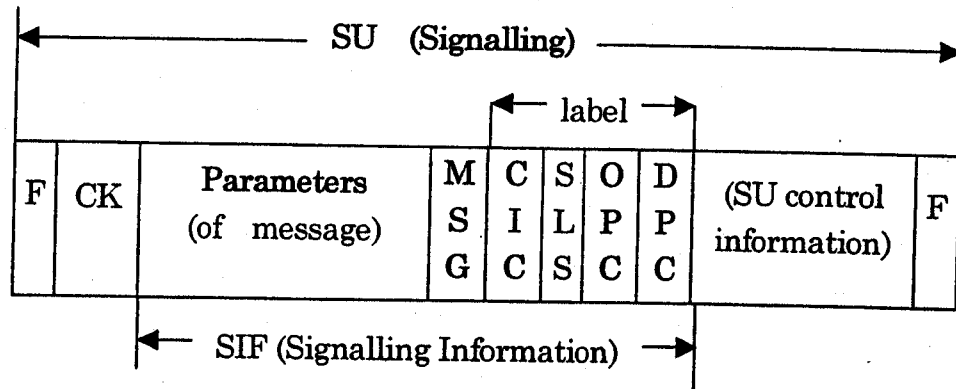


FIG.2



3/149

FIG.3



MSG: message (IAM, ACM, CPG, ANM, REL, RLC, SUS, RES, CON, etc.)

OPC: origin point code DPC: destination point code

CIC: circuit identification code

SLS= Signalling Link Selection

F: flag (01111110) CK: check code

FIG.4

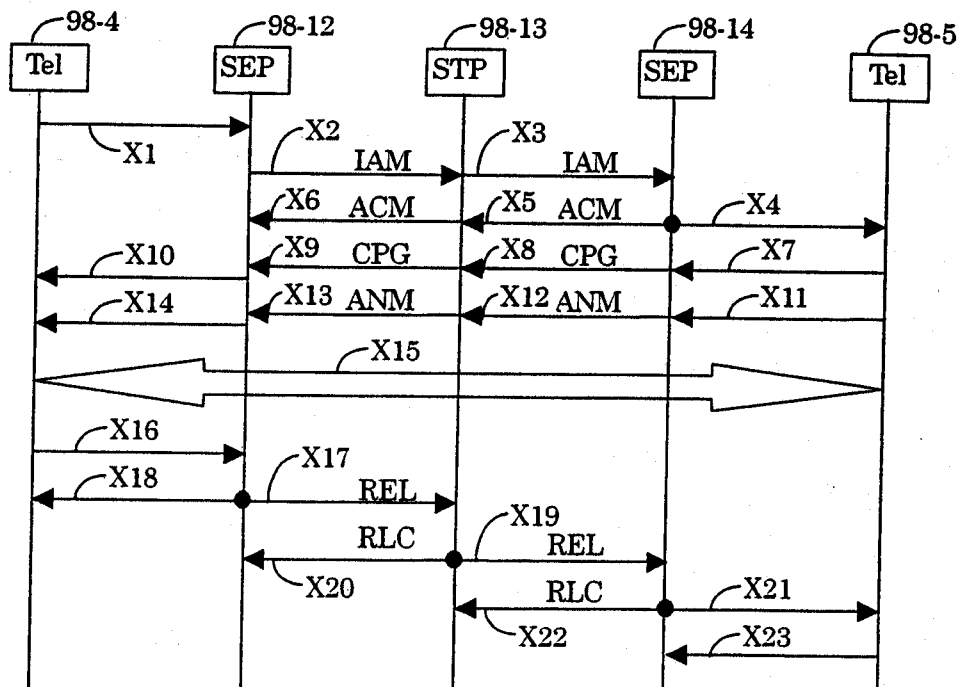


FIG.5

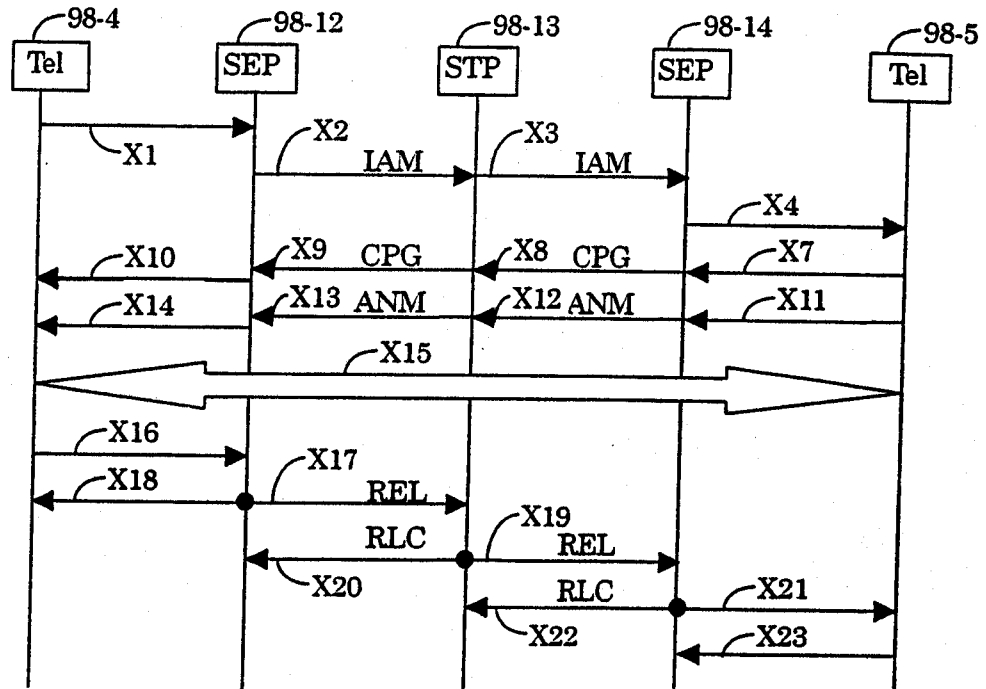
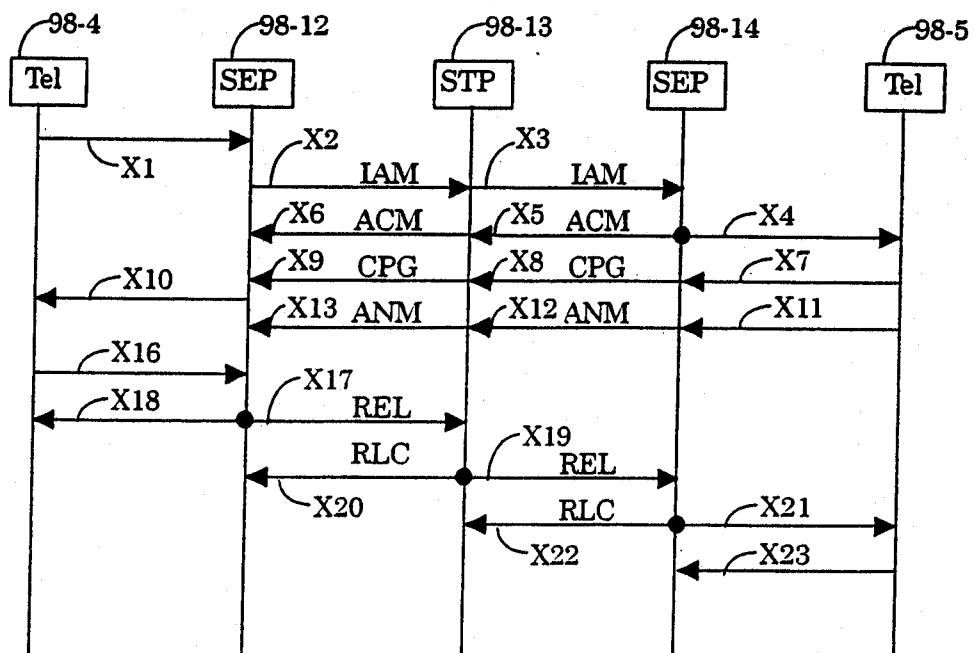


FIG.6



5/149

FIG. 7

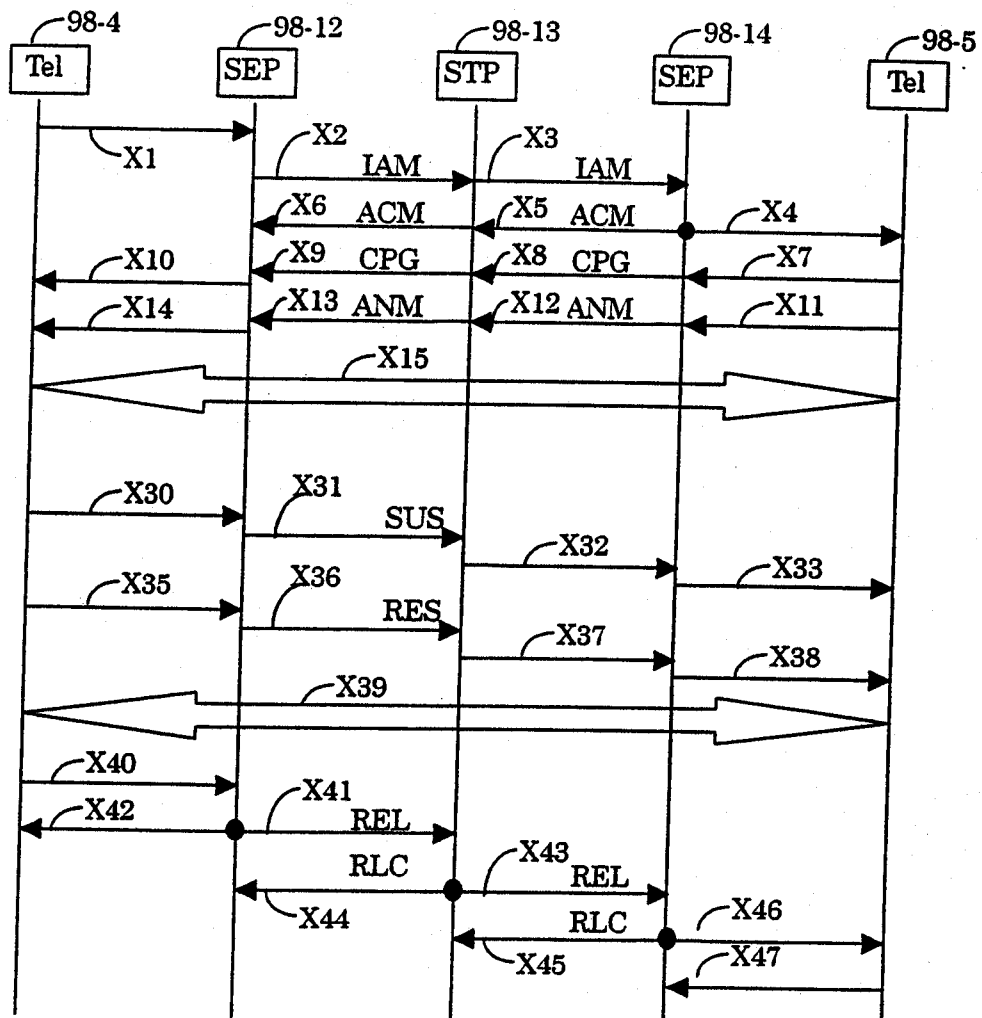


FIG.8

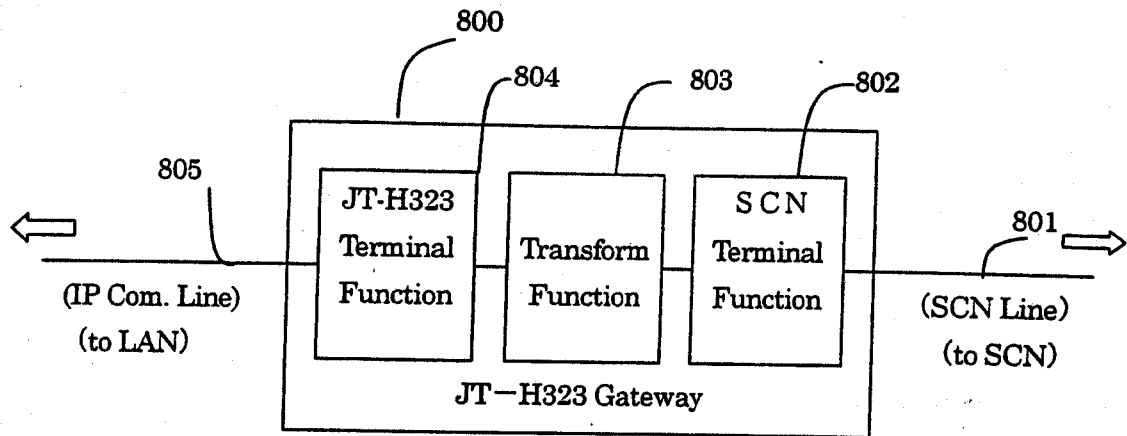


FIG.9

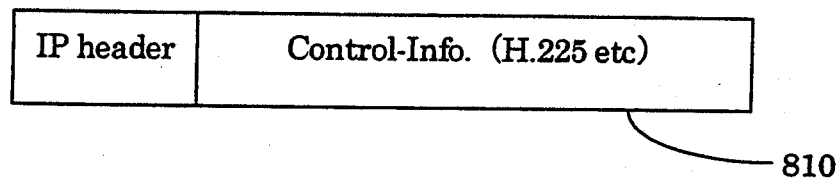


FIG.10

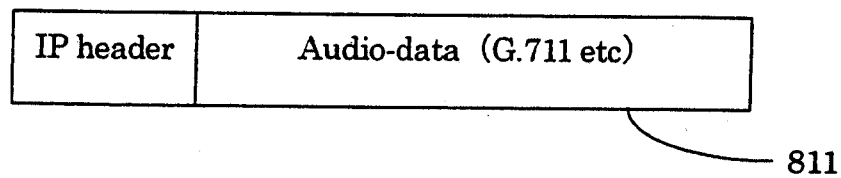
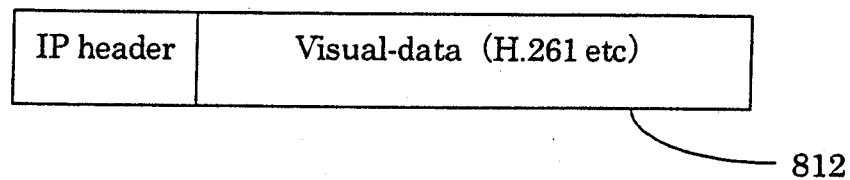


FIG.11



7/149

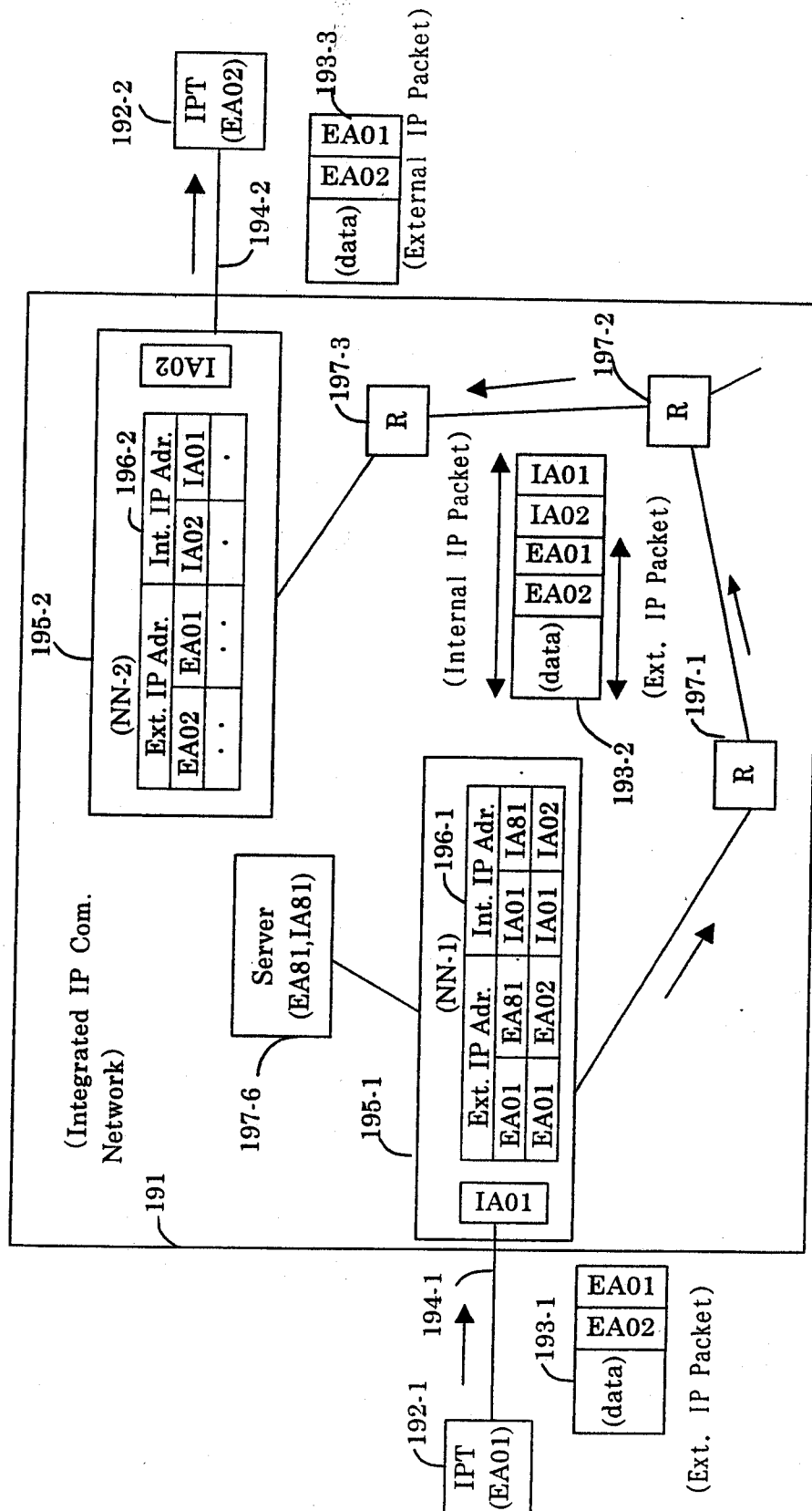


FIG. 12

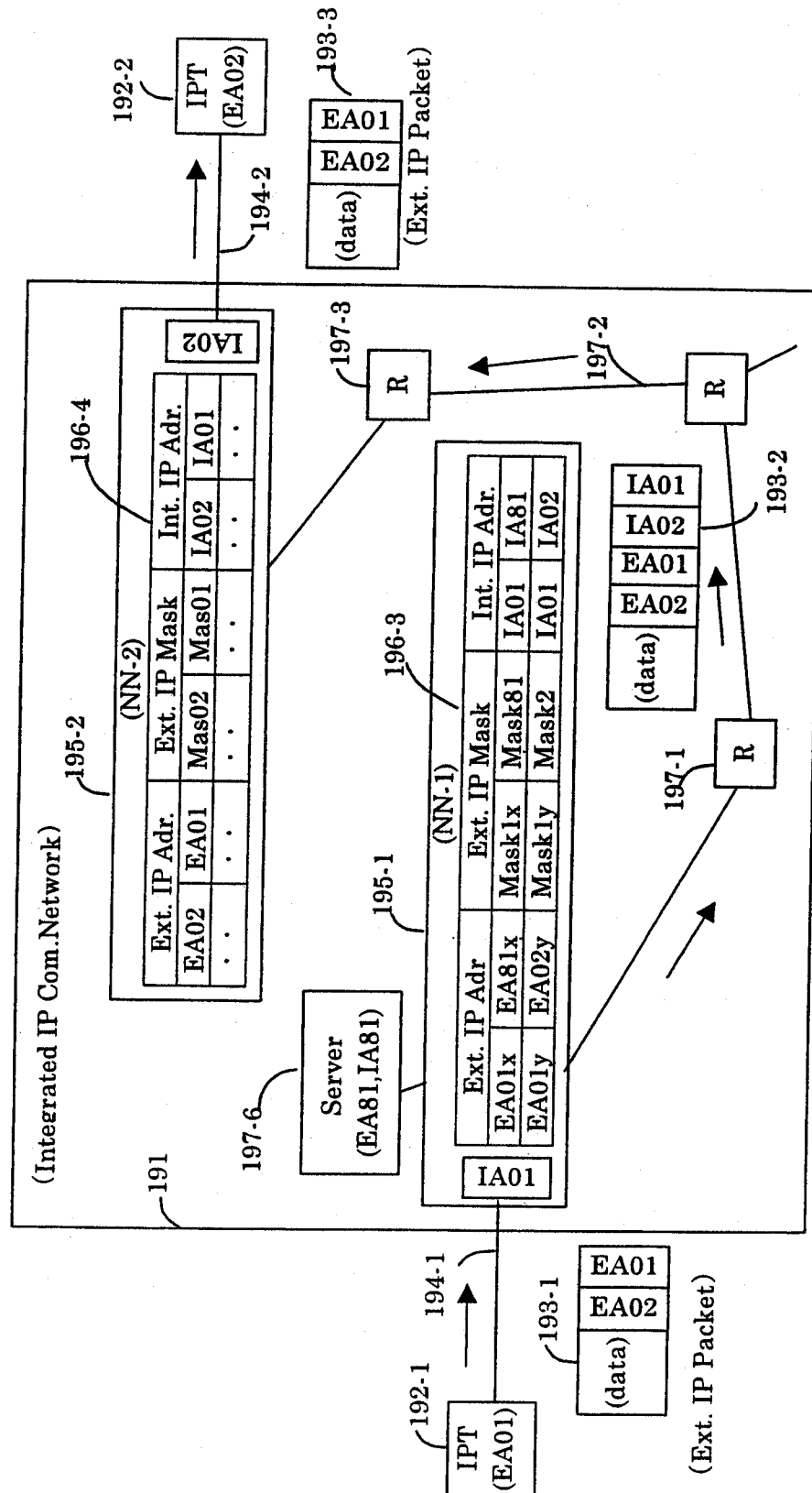
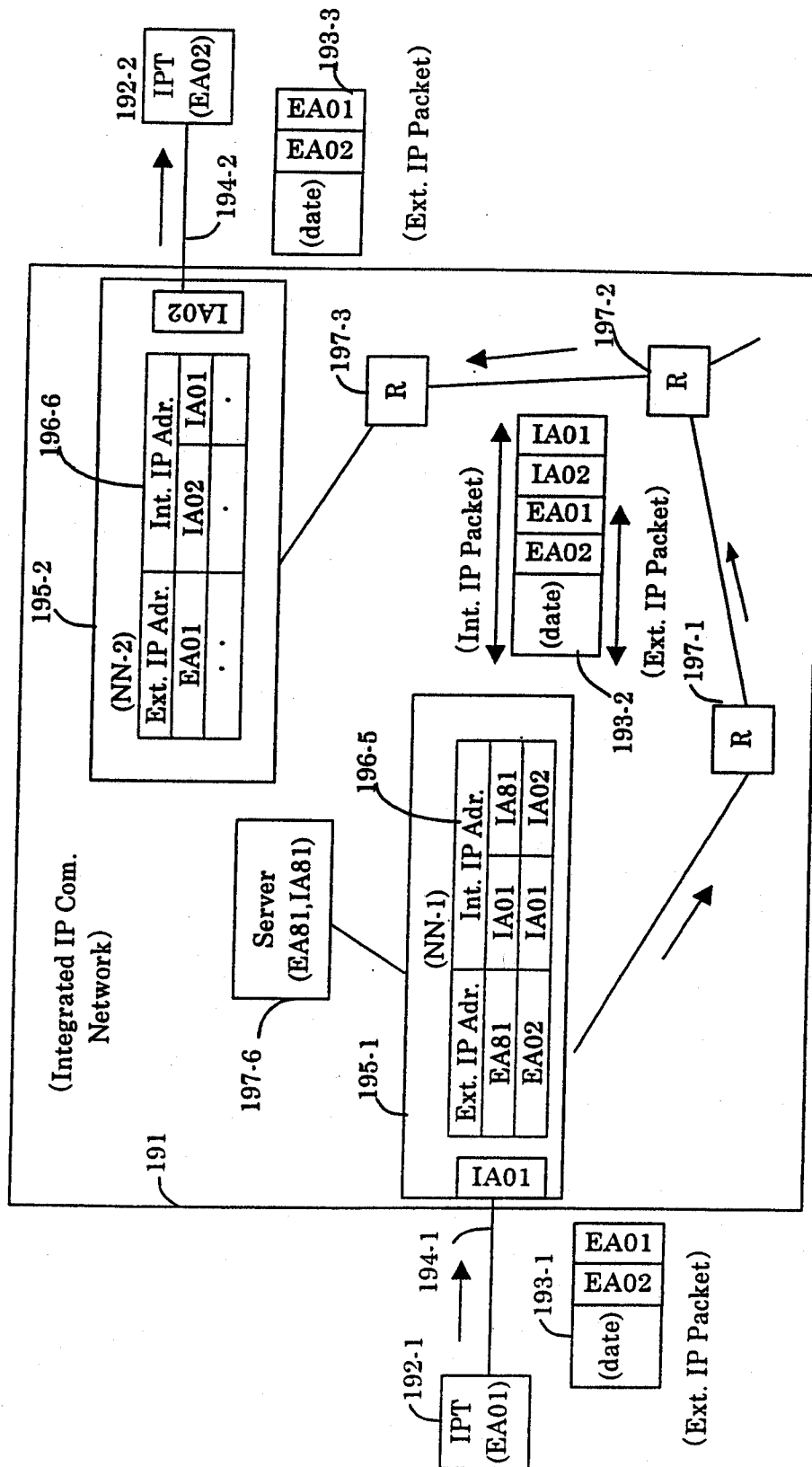


FIG. 13

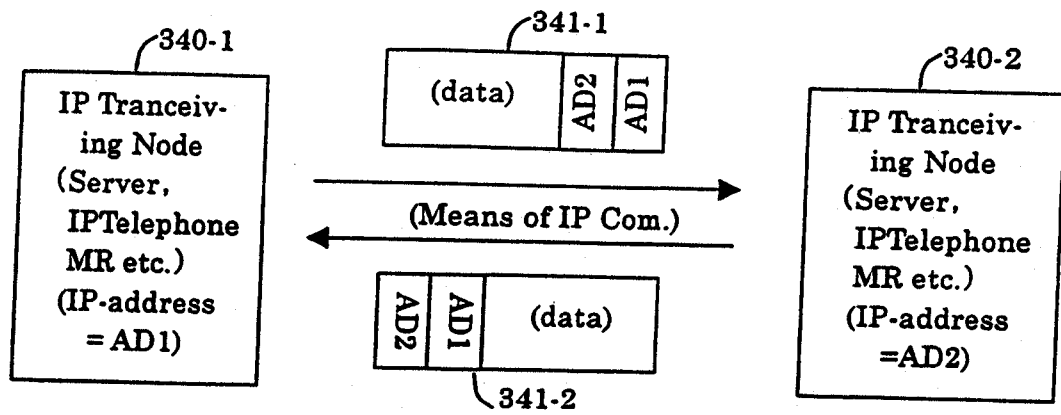
9/149

FIG.14



10/149

FIG.15



11/149

FIG.16

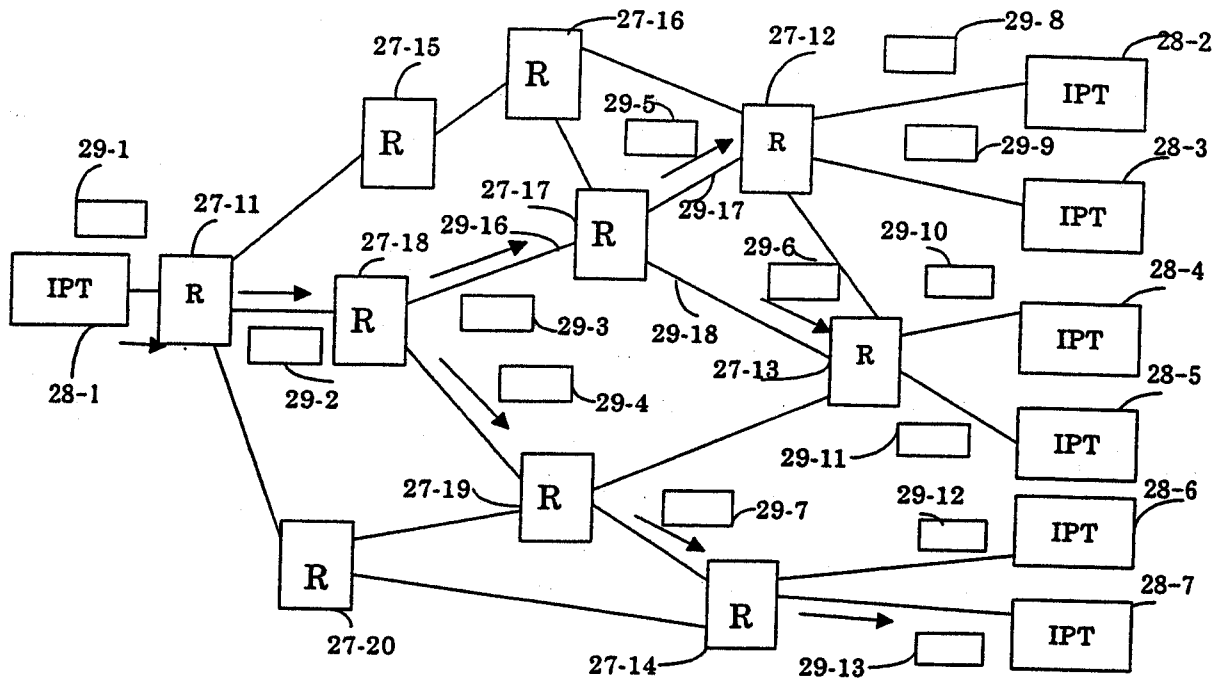
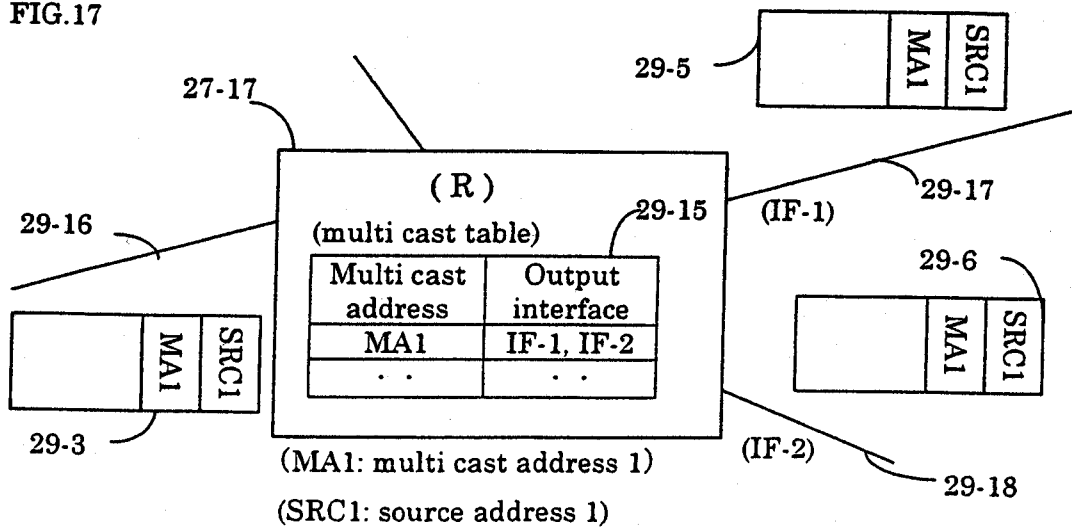


FIG.17



12/149

FIG.18

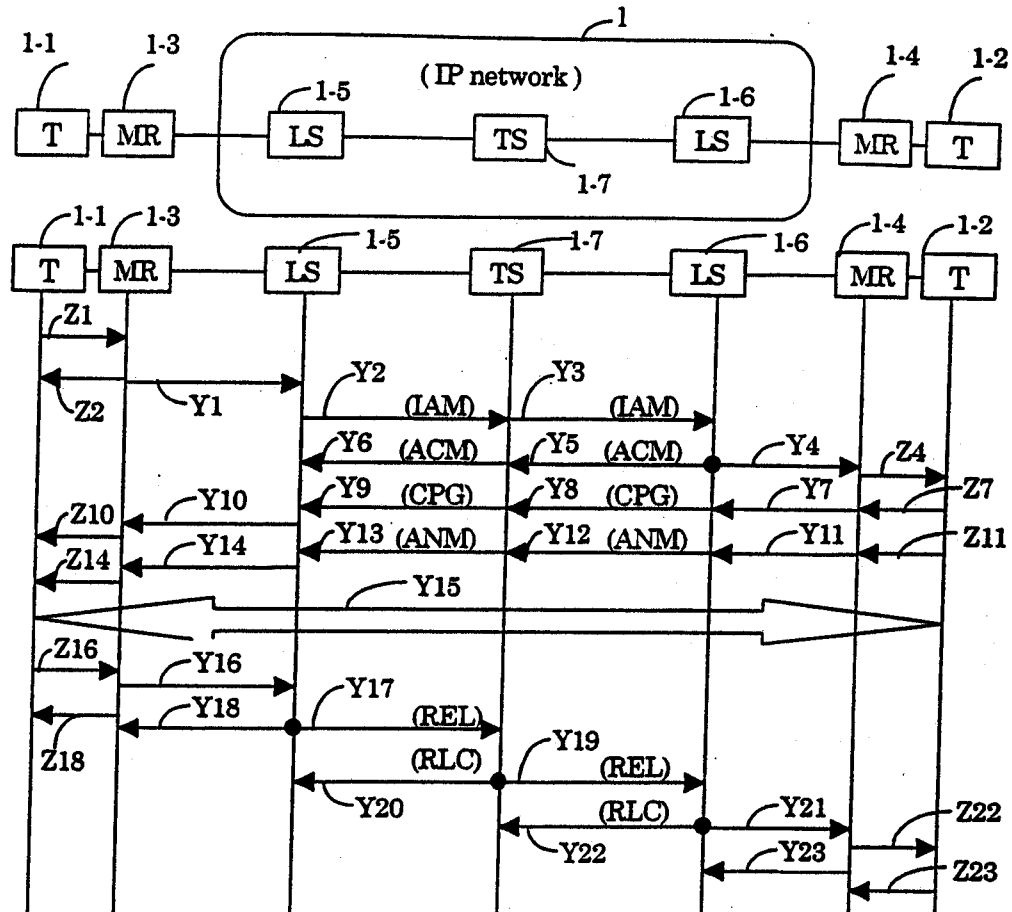


FIG.19

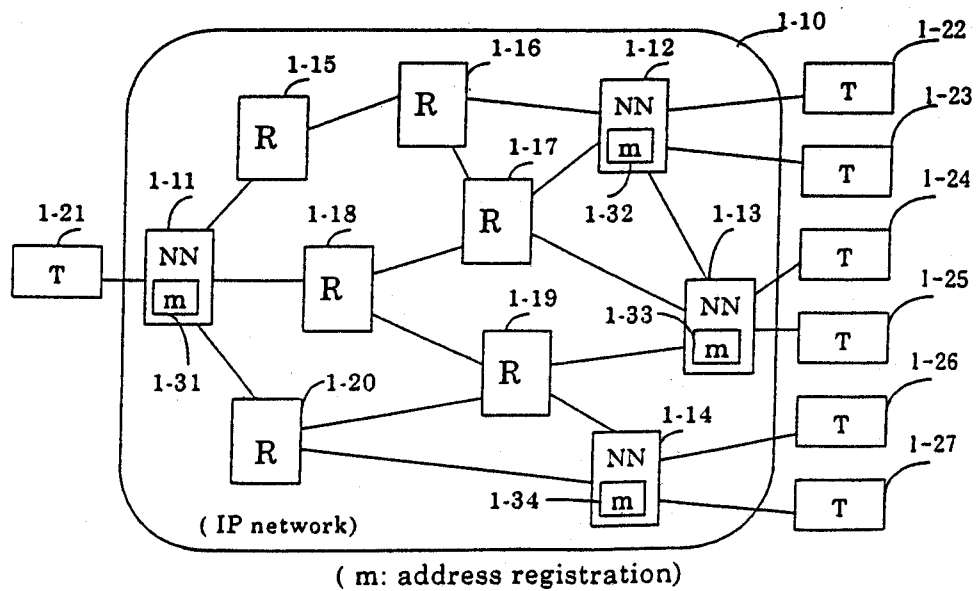


FIG.21

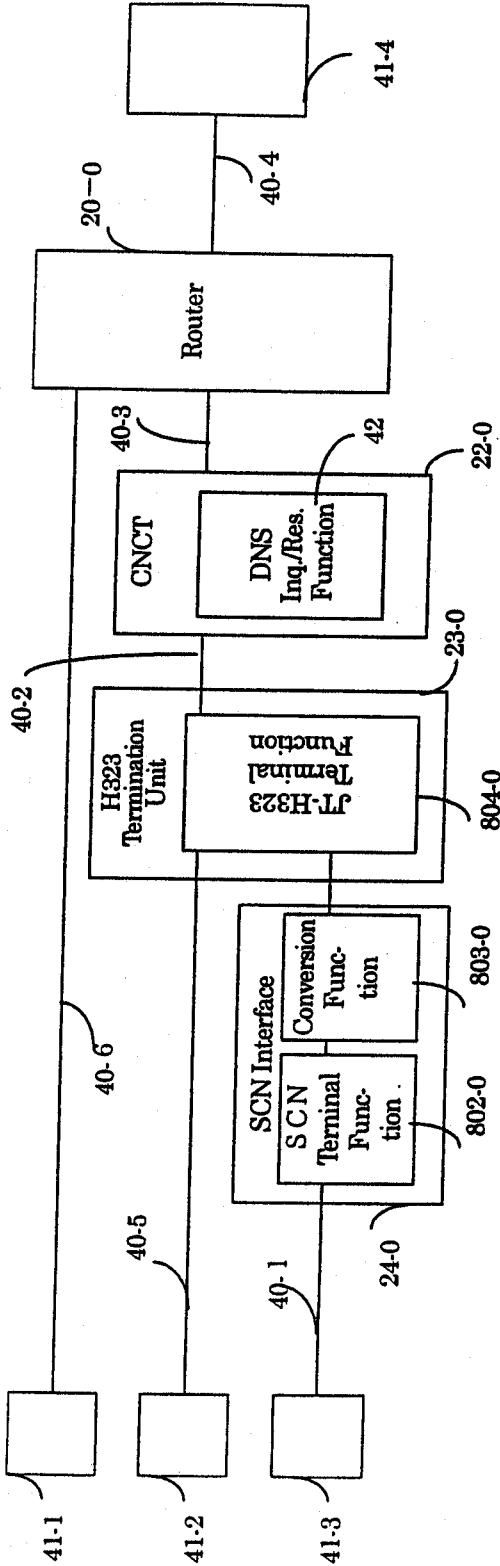
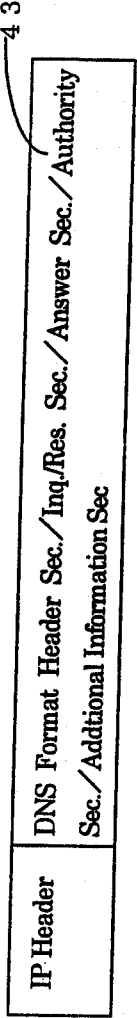
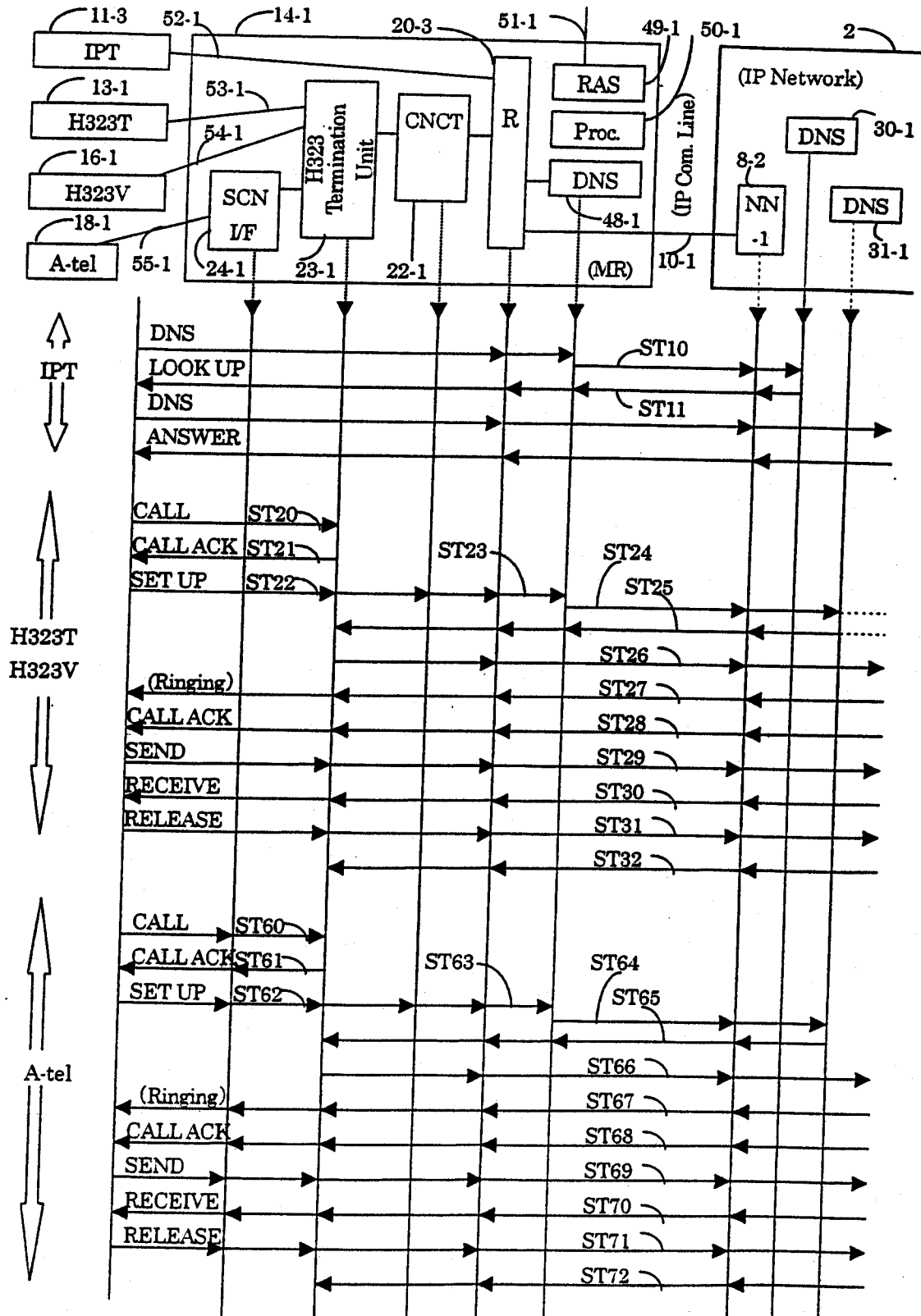


FIG.22



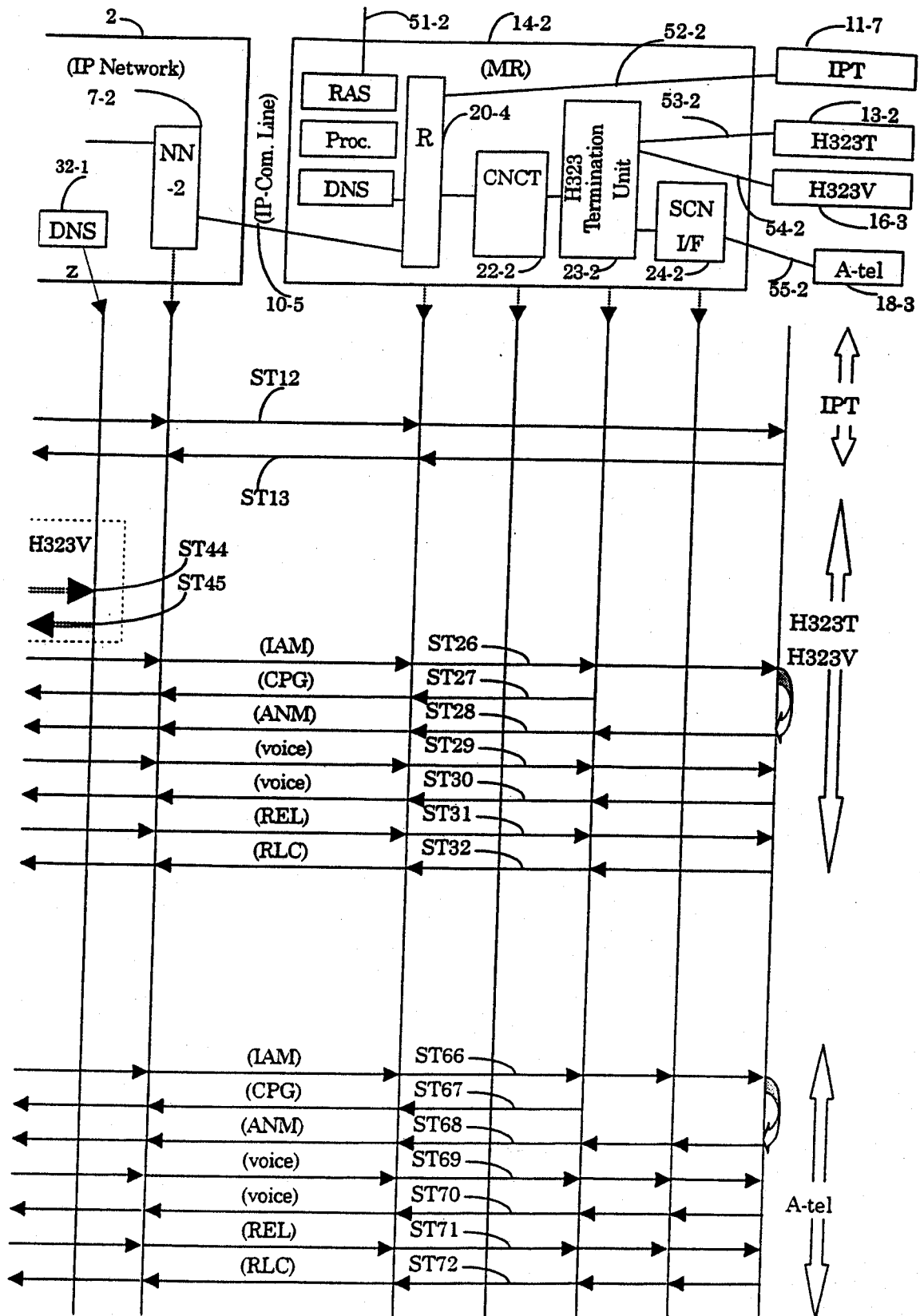
15/149

FIG.23



16/149

FIG.24



17/149

FIG.25

44-1

External IP Address	Communication Line Identification Symbol
A481	Line-10-1
A113	Line-10-1
A131	Line-10-1
A161	Line-10-1
A181	Line-10-1
..	..

FIG.26

45-1

A113	A481	IPT-11-7 name
------	------	---------------

FIG.27

45-2

A481	A113	A117
------	------	------

FIG.28

45-3

A113	A117	Data (A113 to A117)
------	------	---------------------

FIG.29

45-4

A117	A113	Data (A117 to A113)
------	------	---------------------

FIG.30

45-5

A113	A301	IPT-11-7 name
------	------	---------------

FIG.31

45-6

A301	A113	A117
------	------	------

18/149

FIG.32

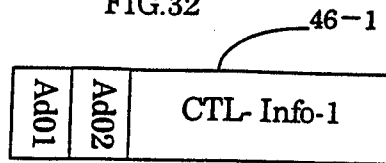


FIG.33

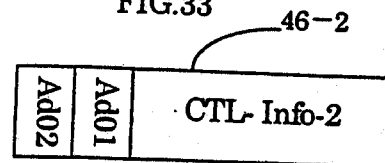


FIG.34

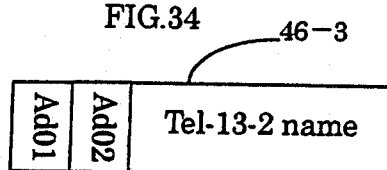


FIG.35

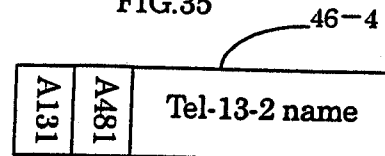


FIG.36

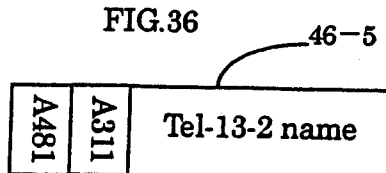


FIG.37

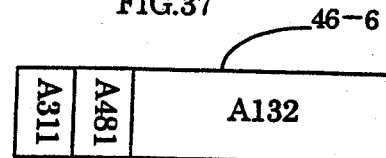


FIG.38

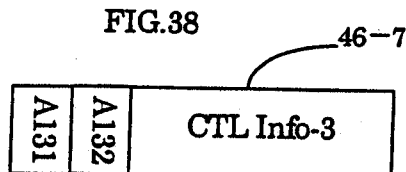


FIG.39

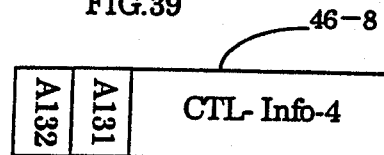


FIG.40

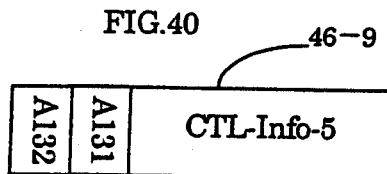


FIG.41

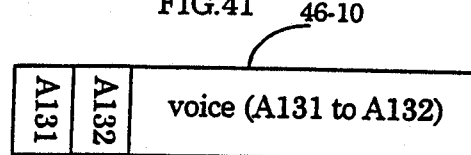


FIG.42

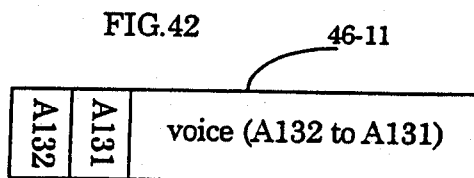


FIG.43

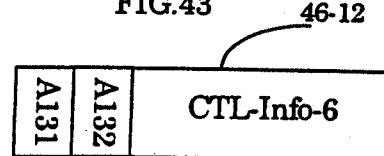


FIG.44

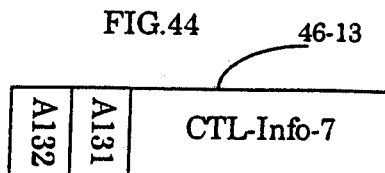


FIG.45

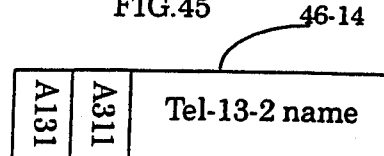
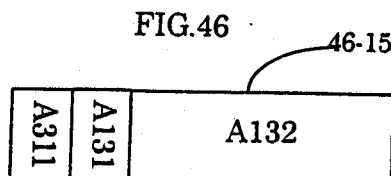


FIG.46



19/149

FIG. 47

100-1

Line Identifier	Phone No. (Host Name)	Terminal IP Address	Kind of Terminal	Speed	Kind of Line
5 3 - 1	81-3-1234-5679	32.3.53.1	H323T	64Kbps	ISDN
5 4 - 1	81-3-1200-2002	32.3.54.1	H323V	1.5Mbps	
5 5 - 1	81-47-325-3887	20.0.55.1	A-tel	64Kbps	ISDN
..	..	..			..

FIG. 48

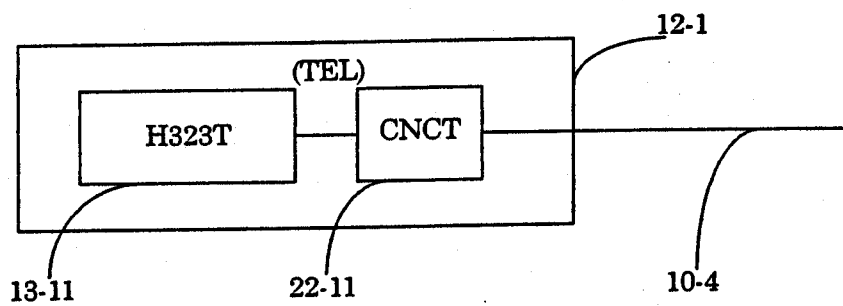
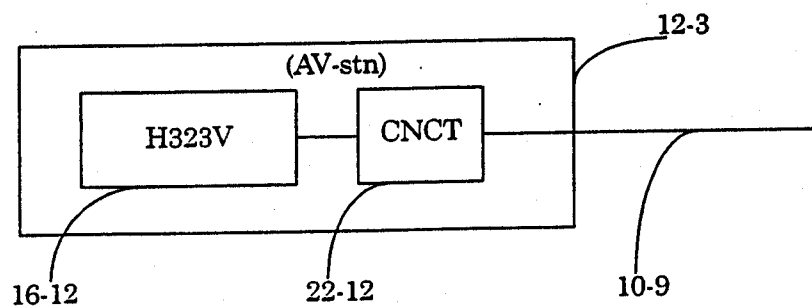


FIG. 49



20/149

FIG.50 47-1

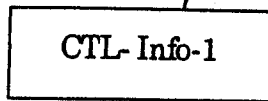


FIG.51 47-2

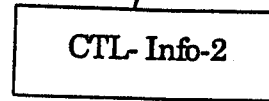


FIG.52 47-3

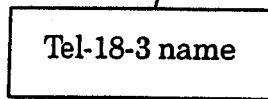


FIG.53 47-4

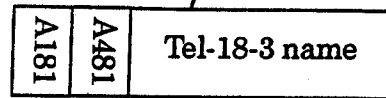


FIG.54 47-5

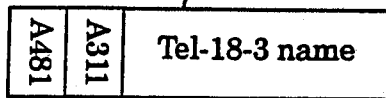


FIG.55 47-6

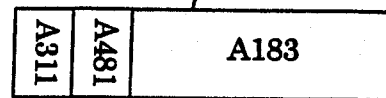


FIG.56 47-7

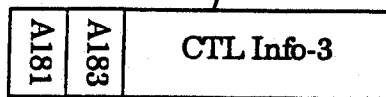


FIG.57 47-8

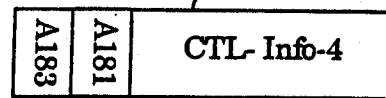


FIG.58 47-9

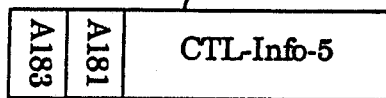


FIG.59 47-10

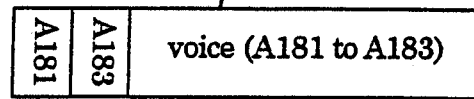


FIG.60 47-11

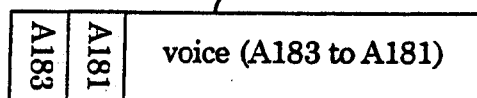


FIG.61 47-12

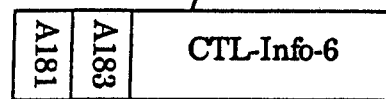


FIG.62 47-13

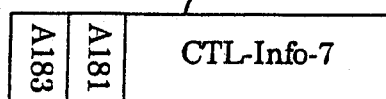


FIG.63 47-14

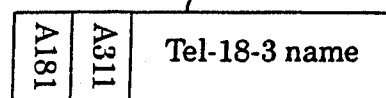
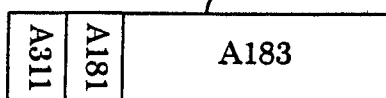


FIG.64 47-15



21/149

FIG.65

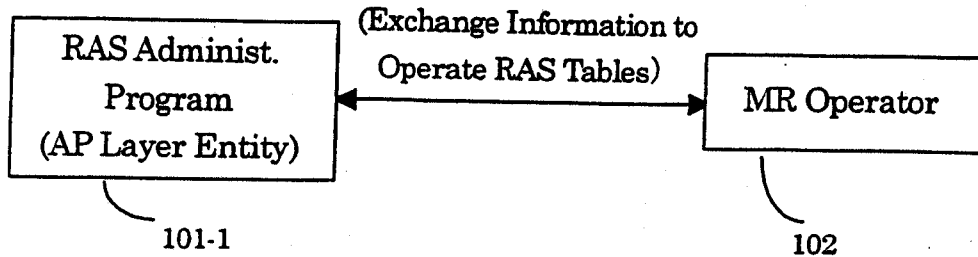


FIG.66

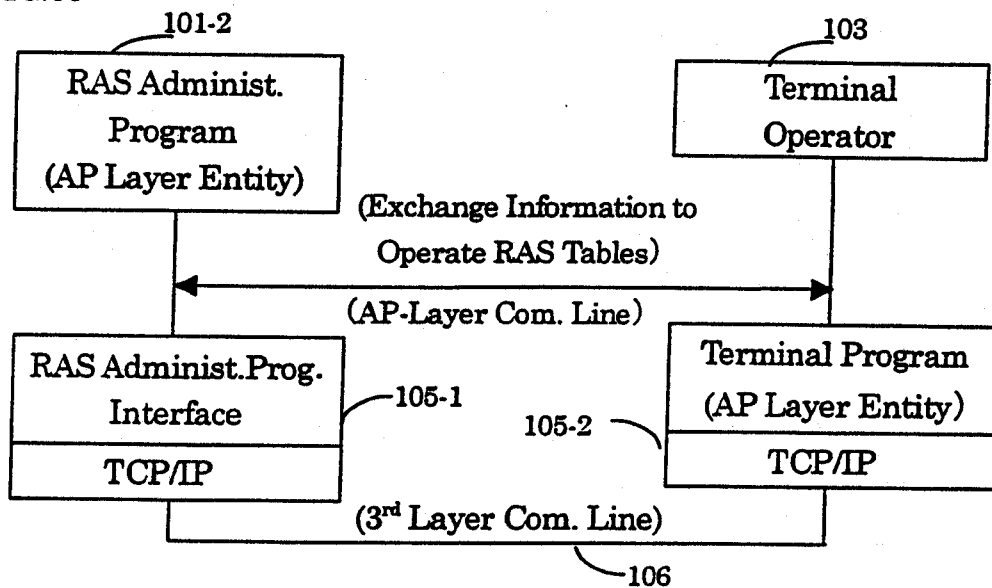
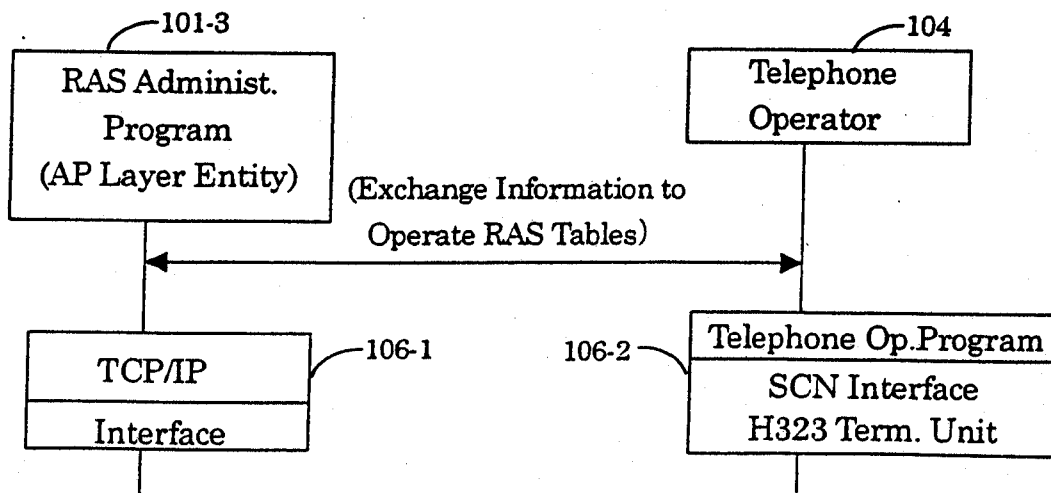
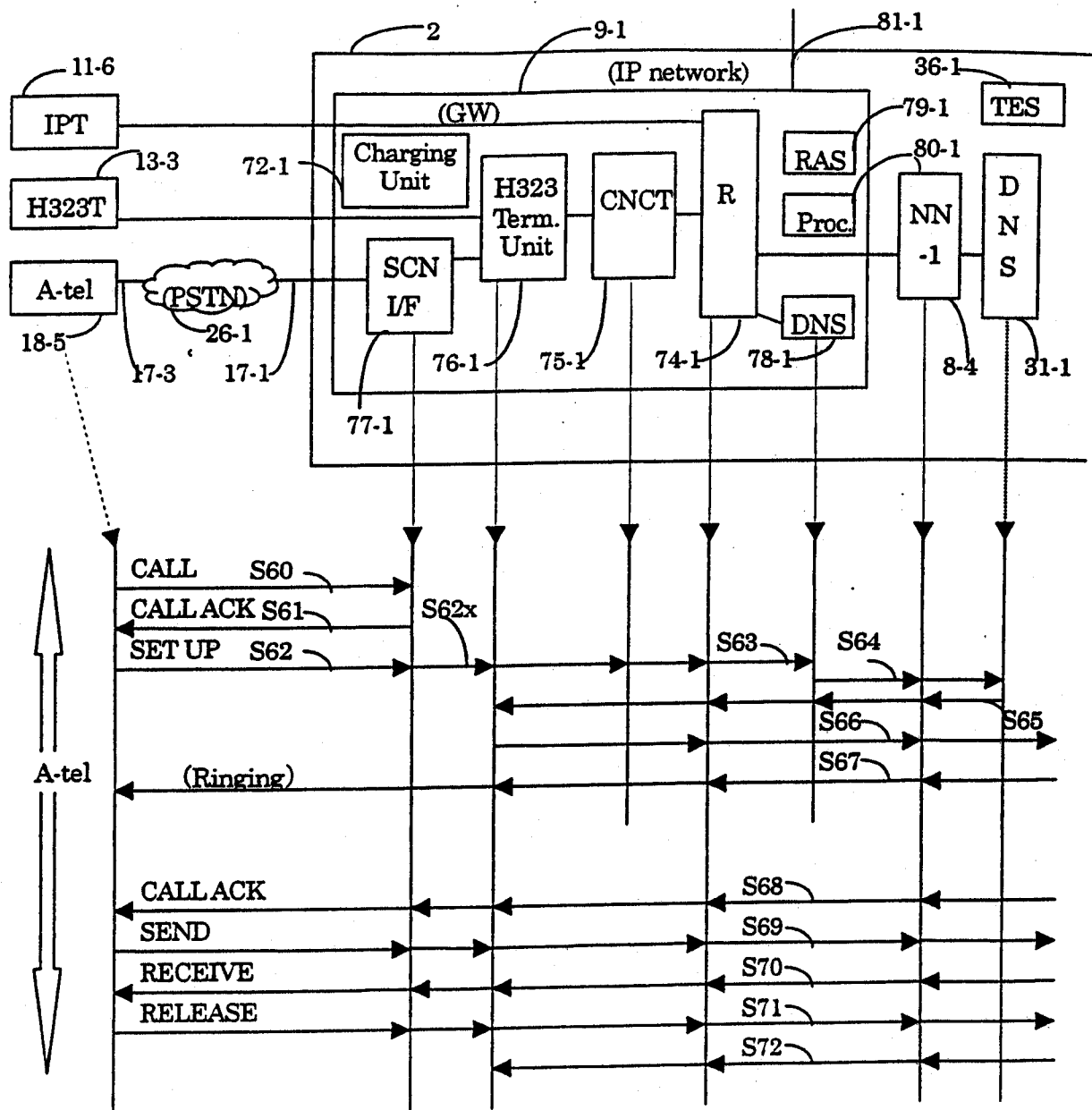


FIG.67



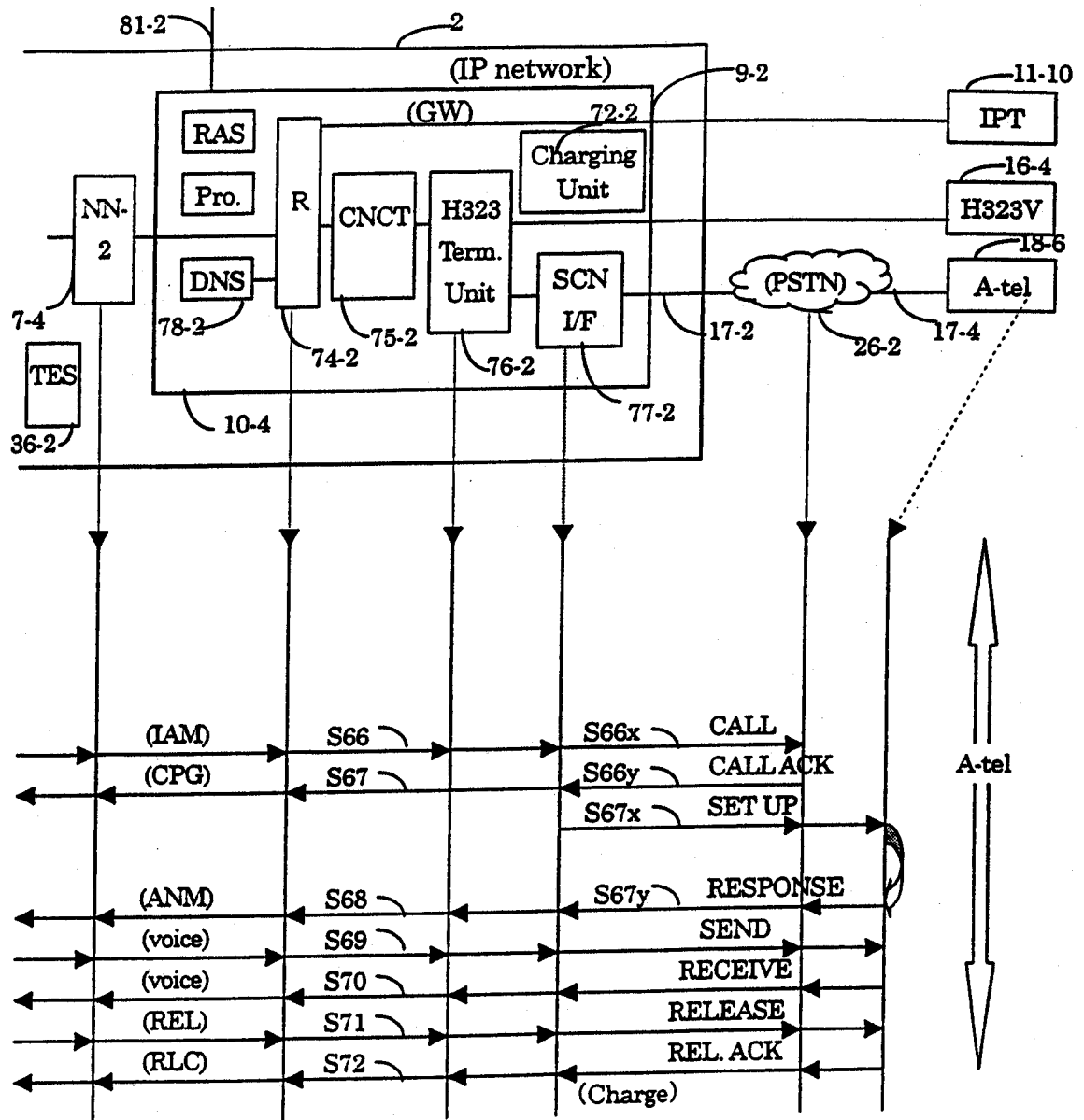
22/149

FIG.68



23/149

FIG.69



24/149

FIG.70 48-1

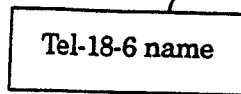


FIG.71 48-2

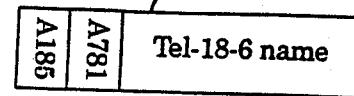


FIG.72 48-3

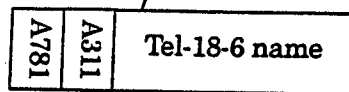


FIG.73 48-4

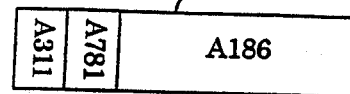


FIG.74 48-5

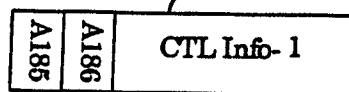


FIG.75 48-6

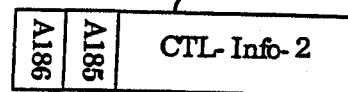


FIG.76 48-7

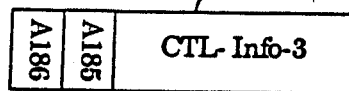


FIG.77 48-8

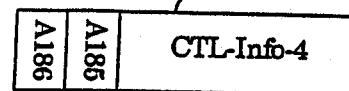


FIG.78 48-9

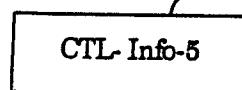


Fig.79 48-10

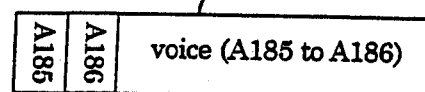


FIG.80 48-11

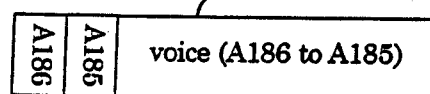


FIG.81 48-12

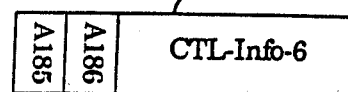


FIG.82 48-13

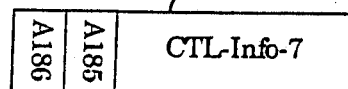


FIG.83 48-14

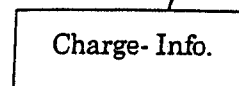


FIG.84 48-15

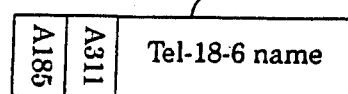
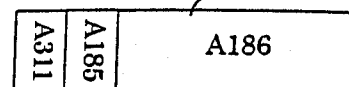


FIG.85 48-16



25/149

FIG.86

44-2

External IP Address	Com. Line Identification Symbol
A781	Line-17-1
A116	Line-17-1
A133	Line-17-1
A185	Line-17-1
• •	• •

26/149

FIG.87

100-2

Line Identifier	Telephone No. (Host Name)	Terminal IP Address	Kind of Terminal	Speed	Kind of Com. Line
1 7 - 1	81-3-9876-5432	100.101.102.103	A-tel	64kbps	ISDN
..	81-3-9876-5431	110.111.112.113	..	..	ISDN

FIG.88

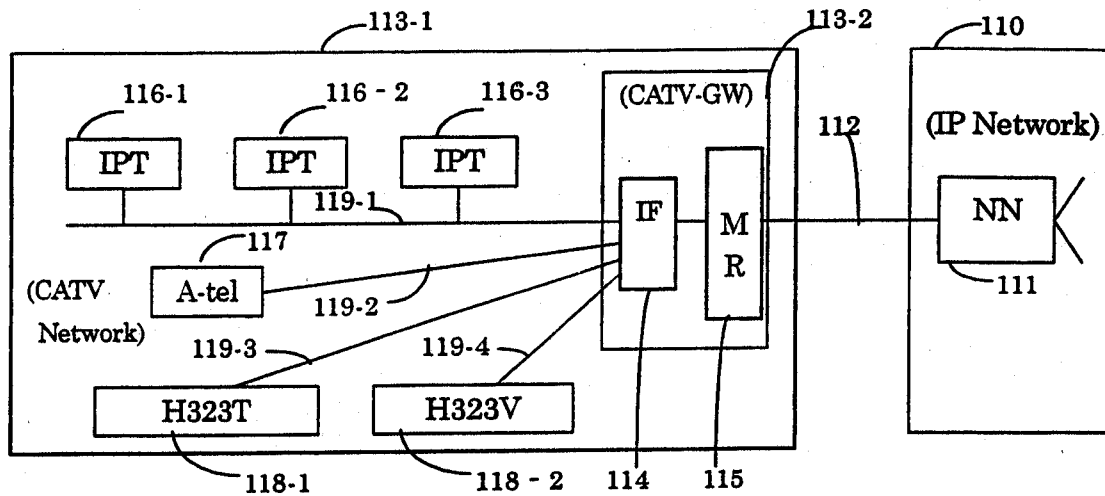
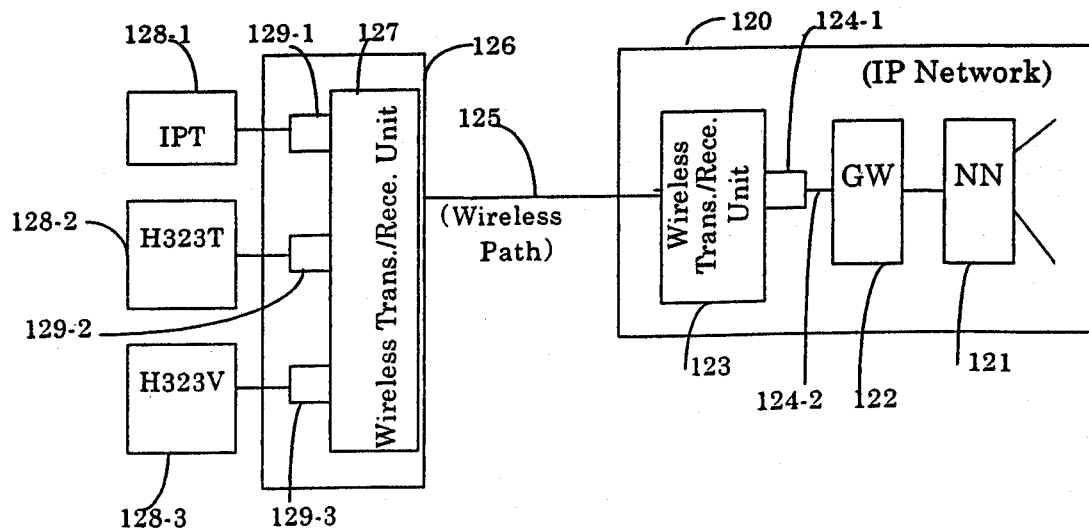
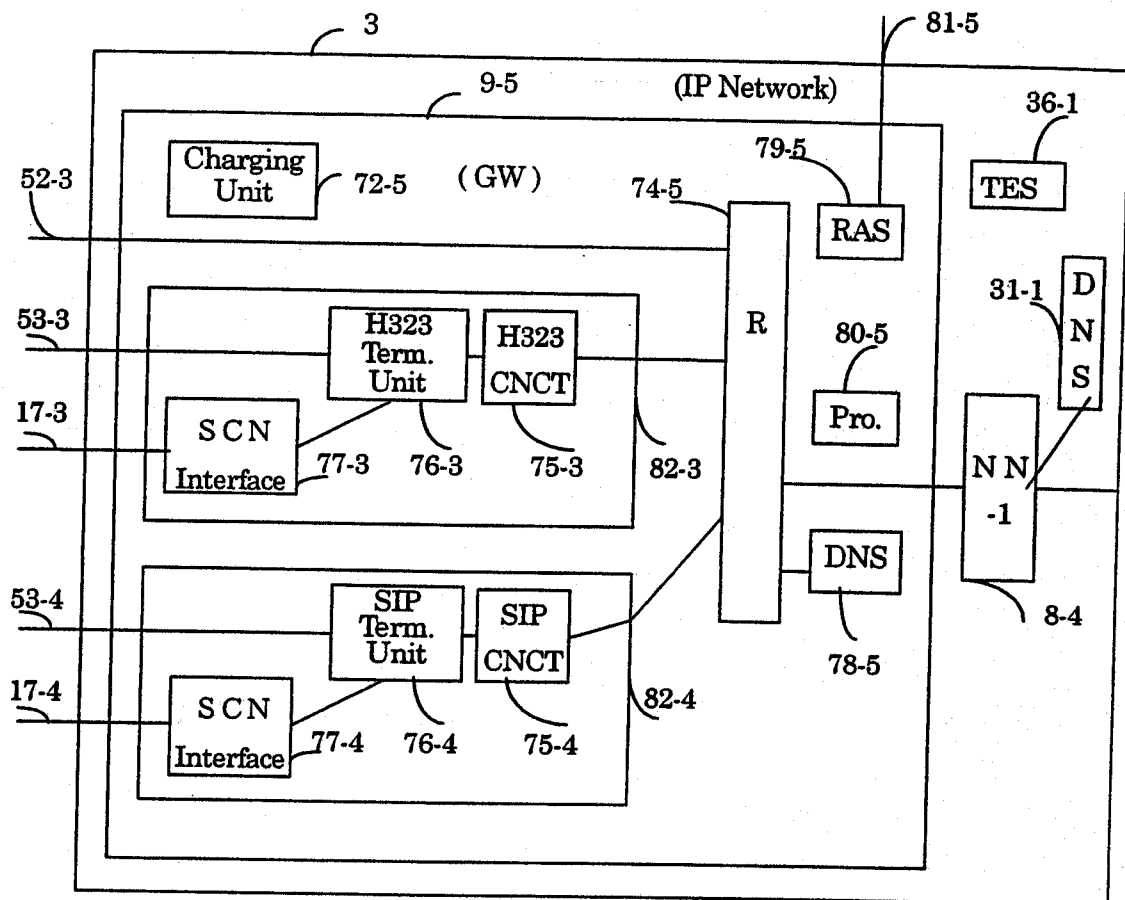


FIG.89



27/149

FIG.90



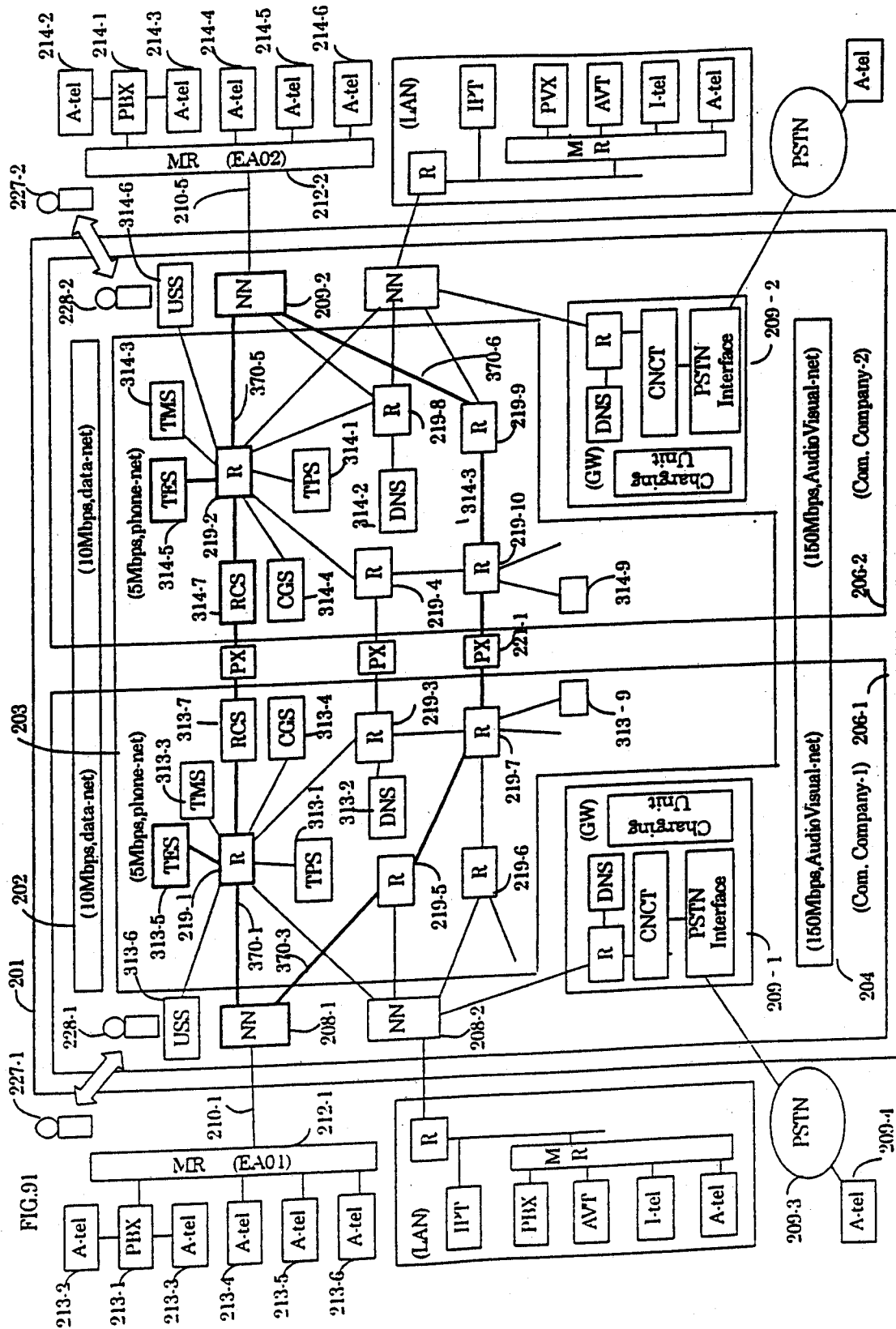
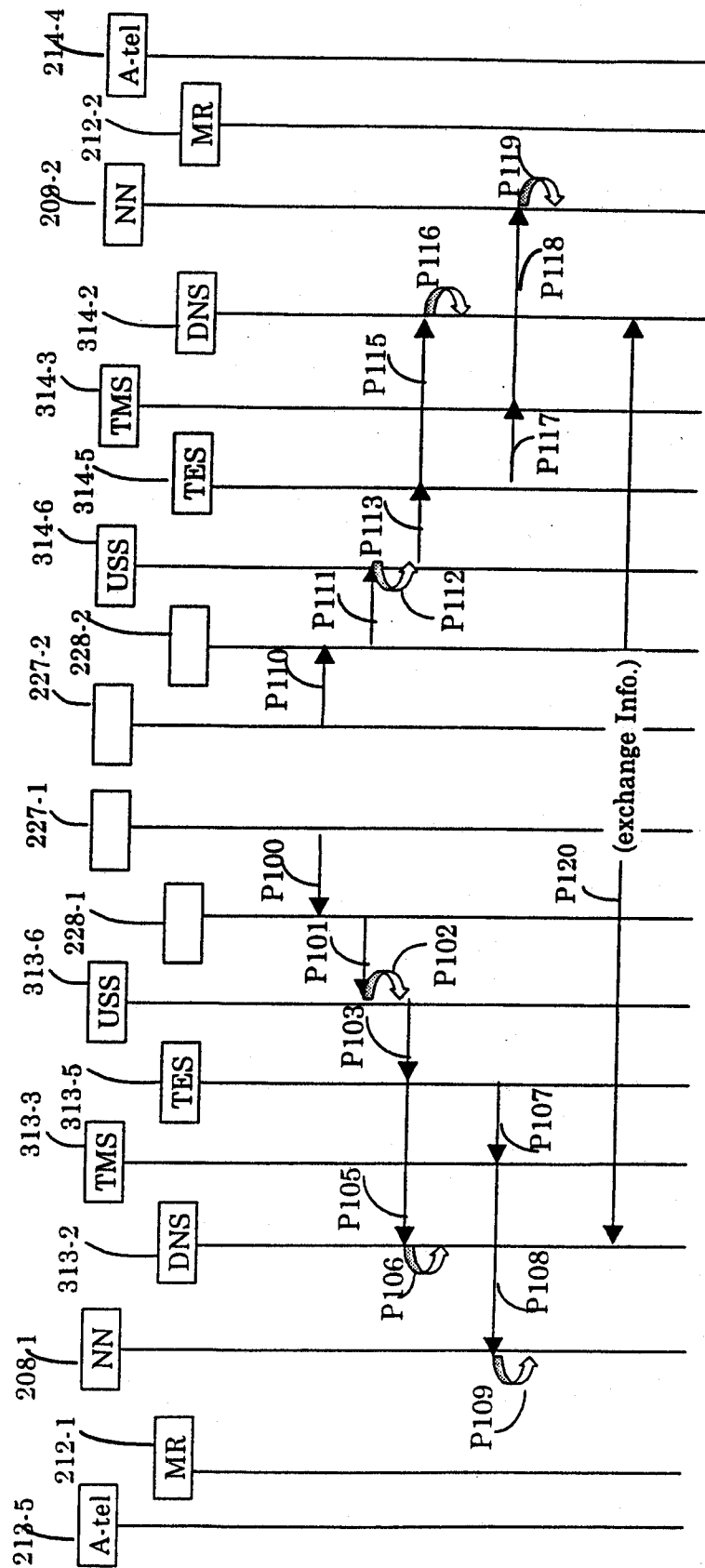


FIG. 92



30/149

FIG.93

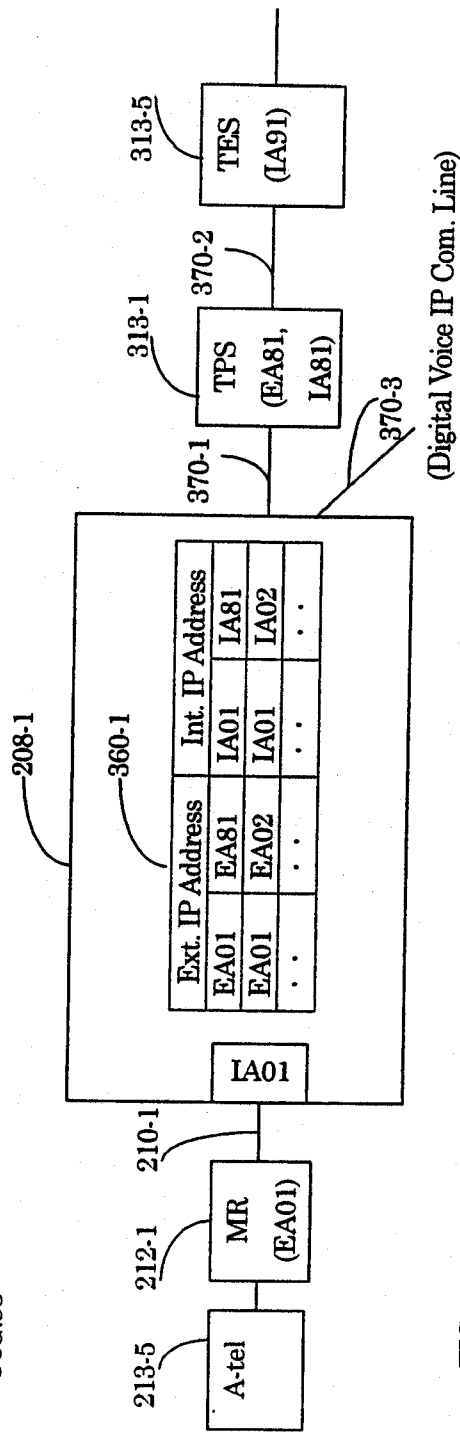
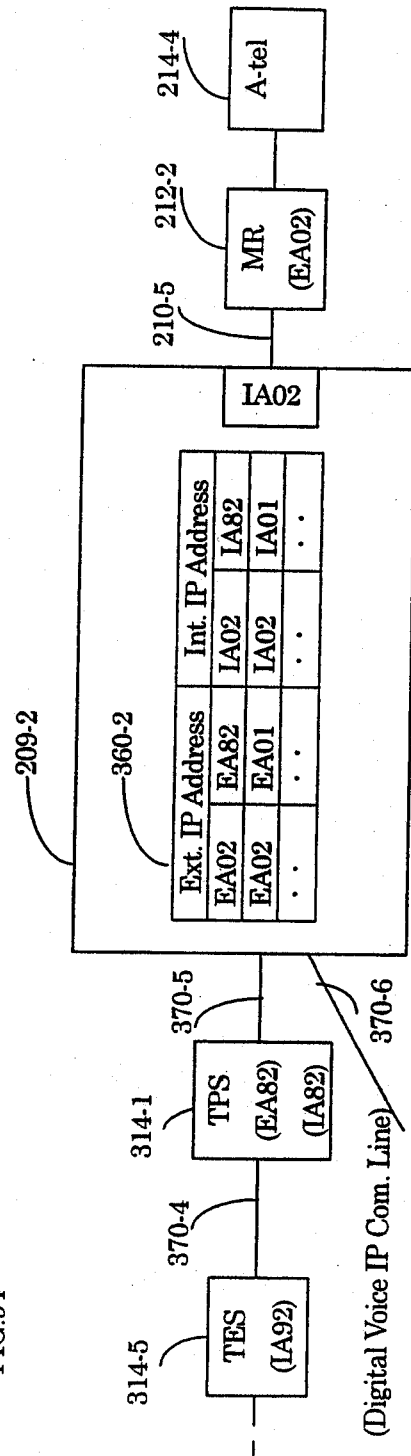
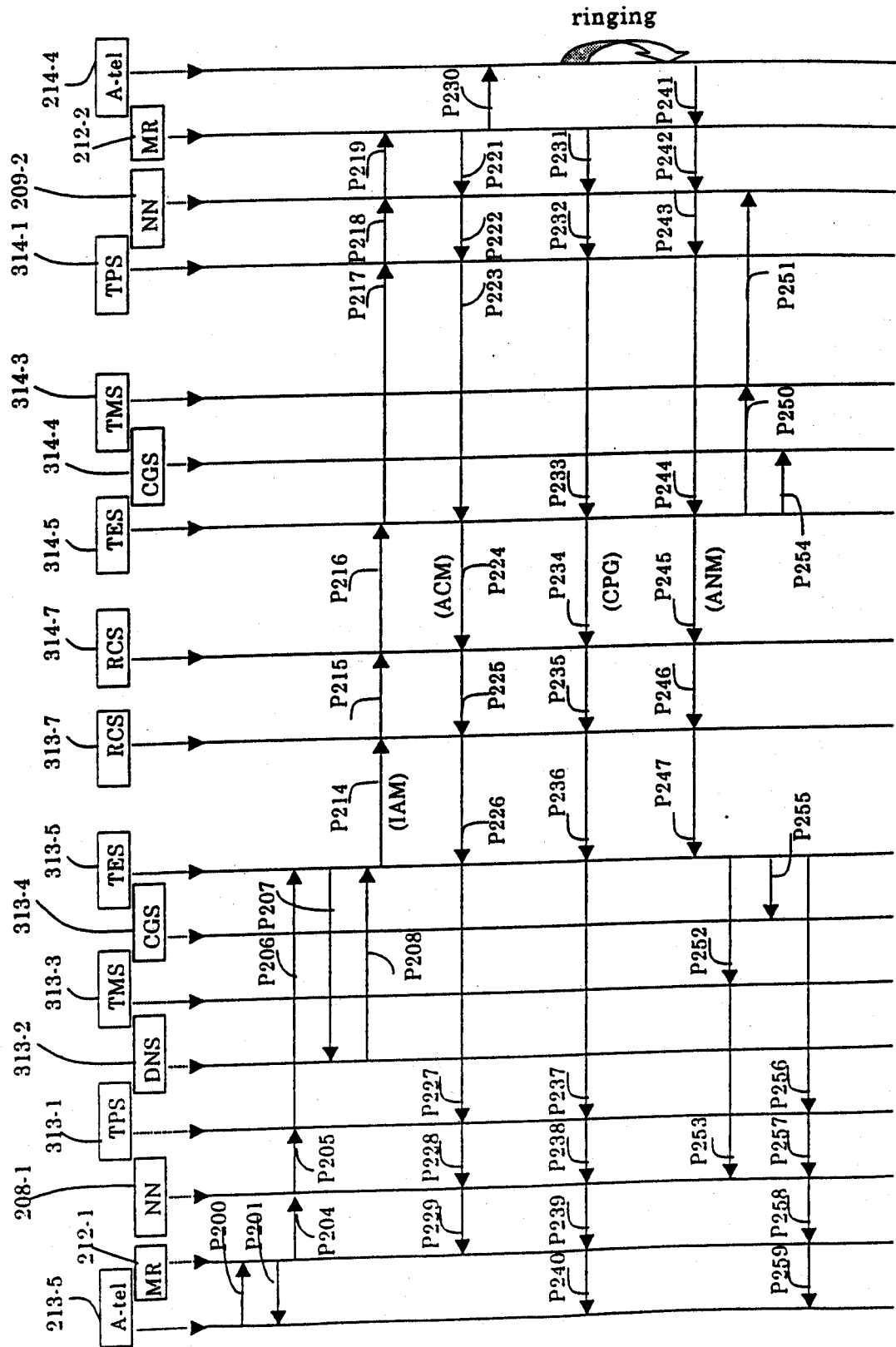


FIG.94





32/149

FIG.96

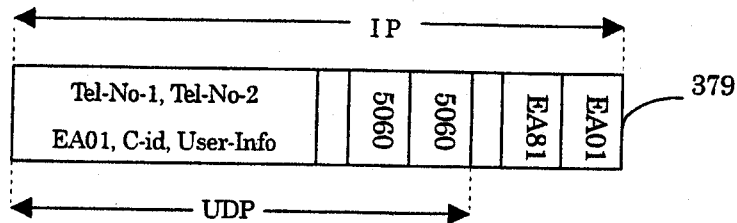


FIG.97

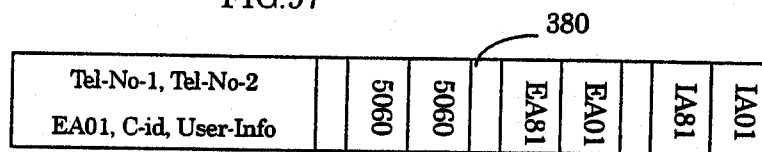


FIG.98

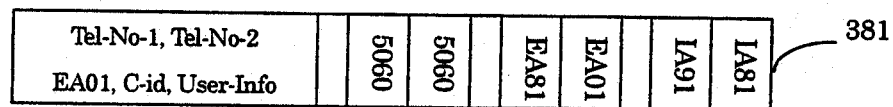


FIG.99

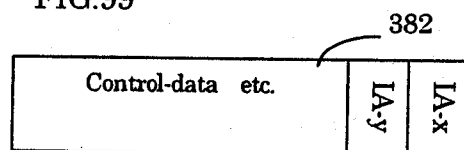
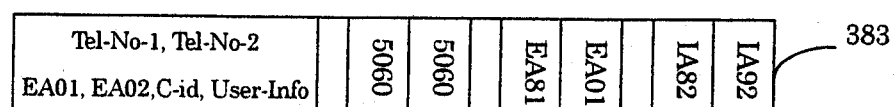


FIG.100



33/149

FIG.101

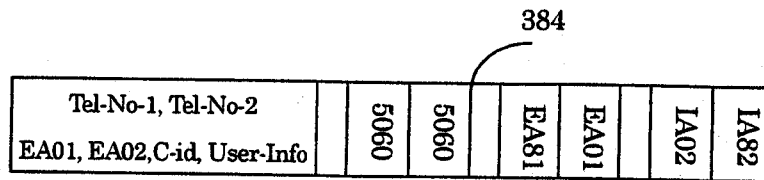
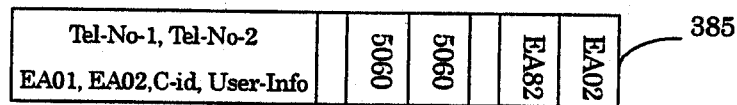
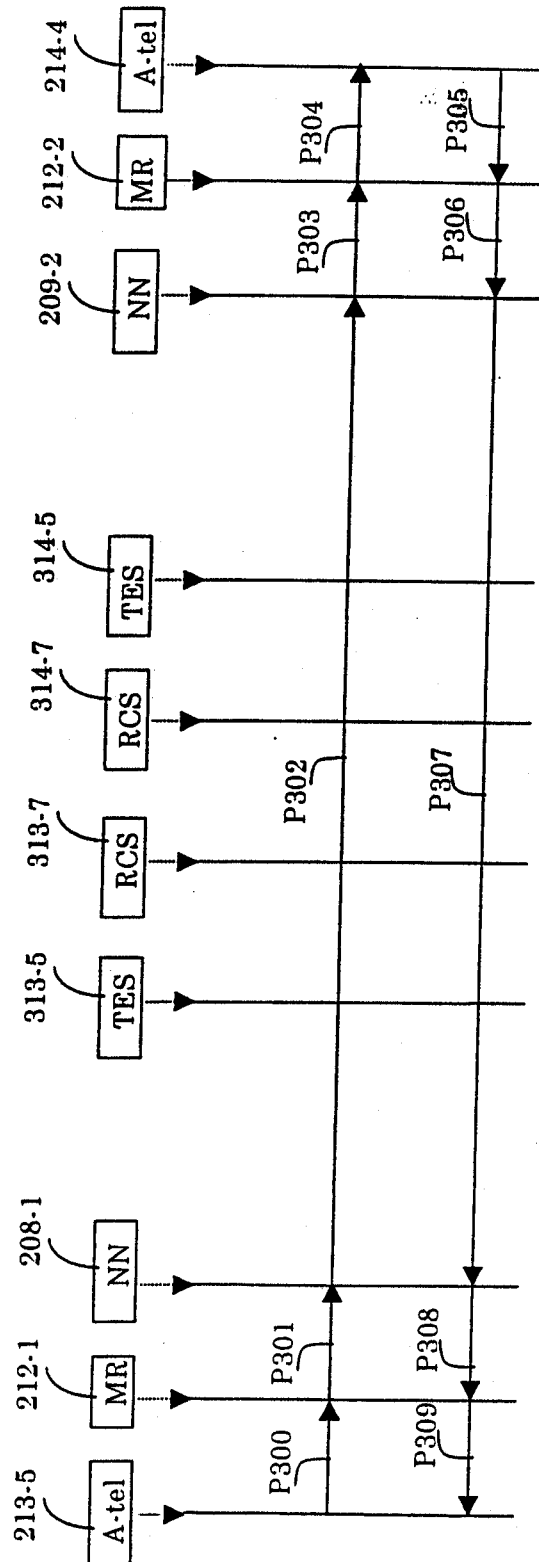


FIG.102



34/149

FIG. 103



35/149

FIG.104

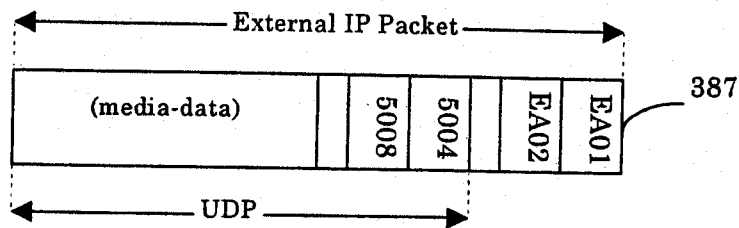


FIG.105

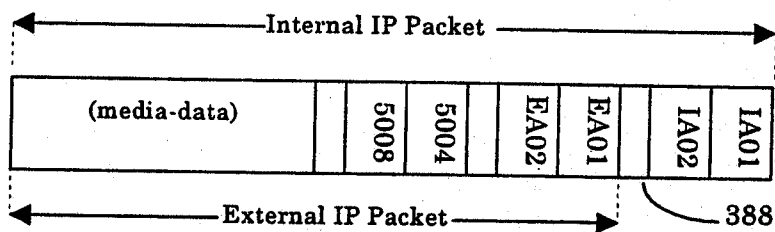
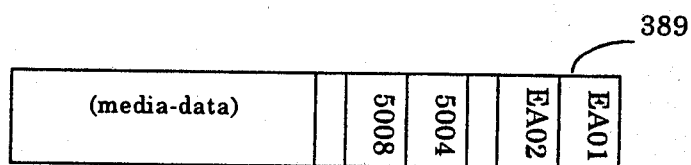
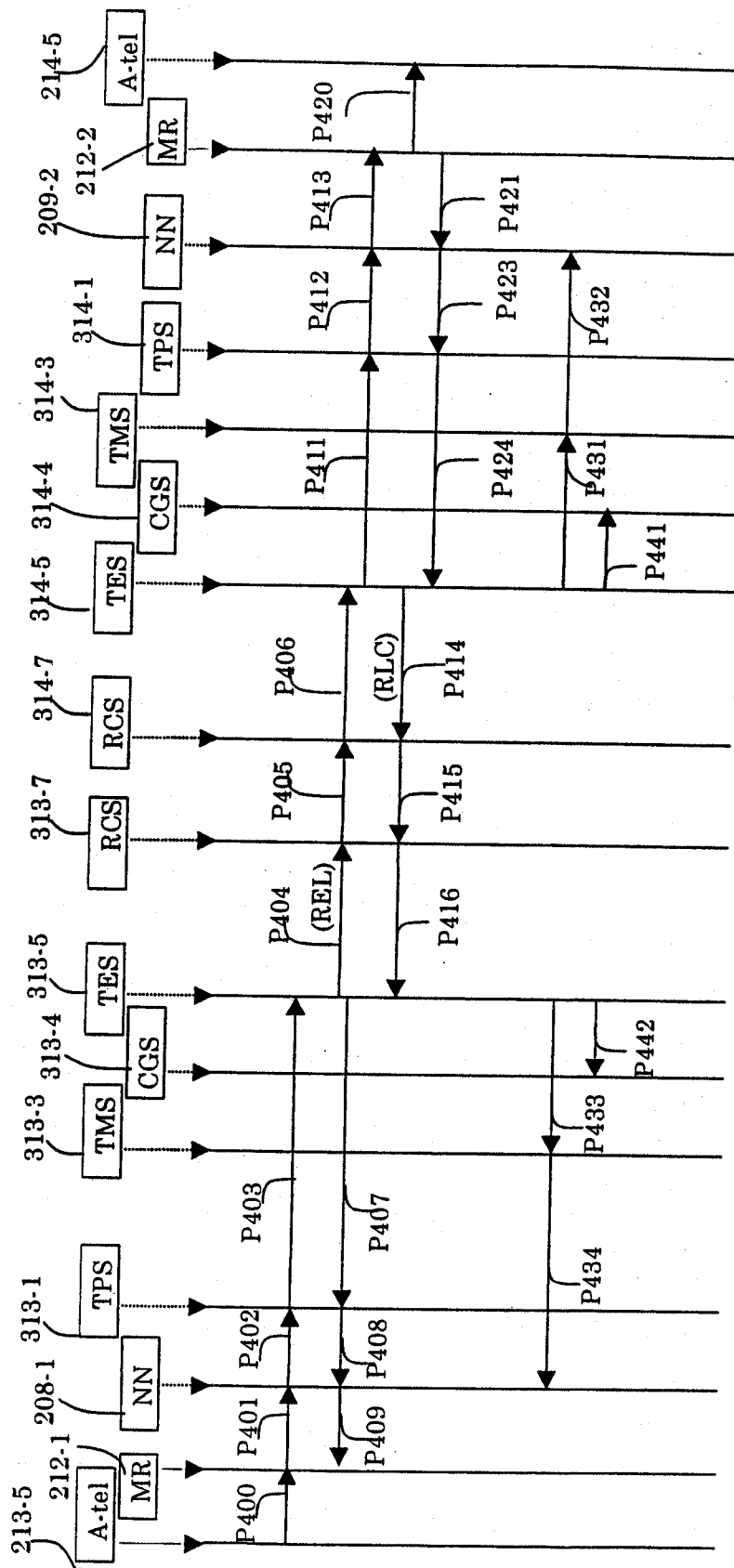


FIG.106



36/149

FIG. 107



37/149

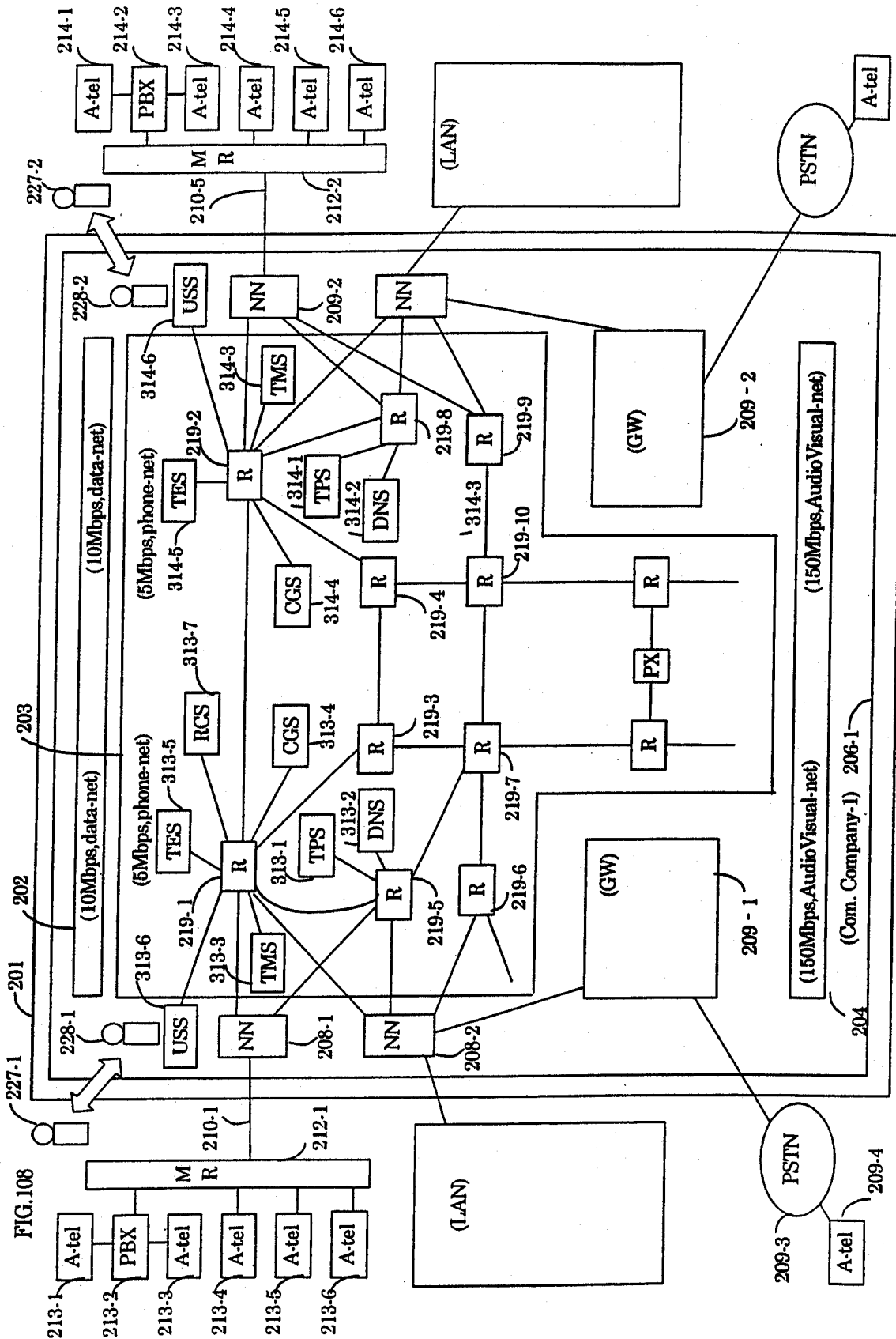
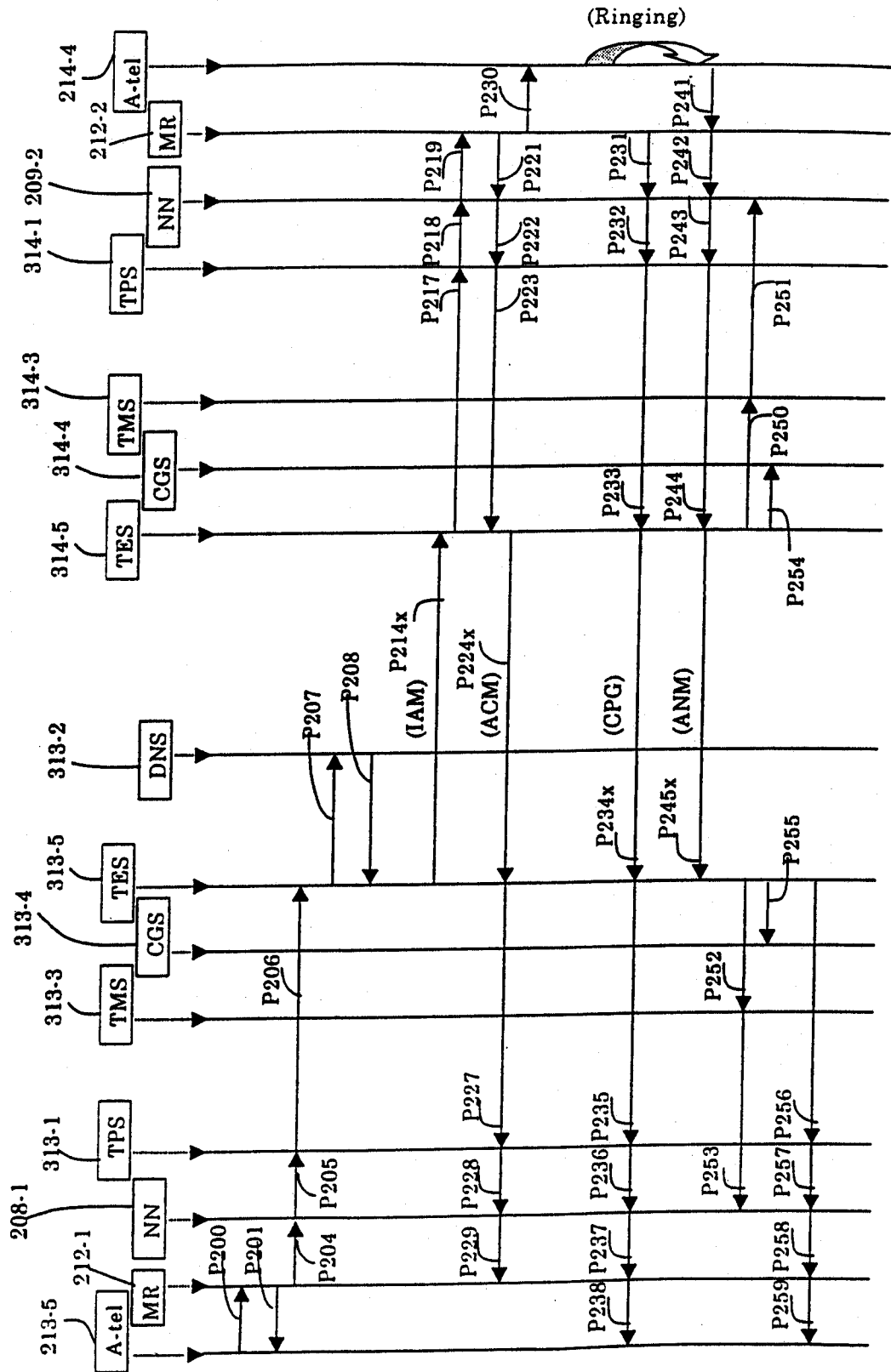
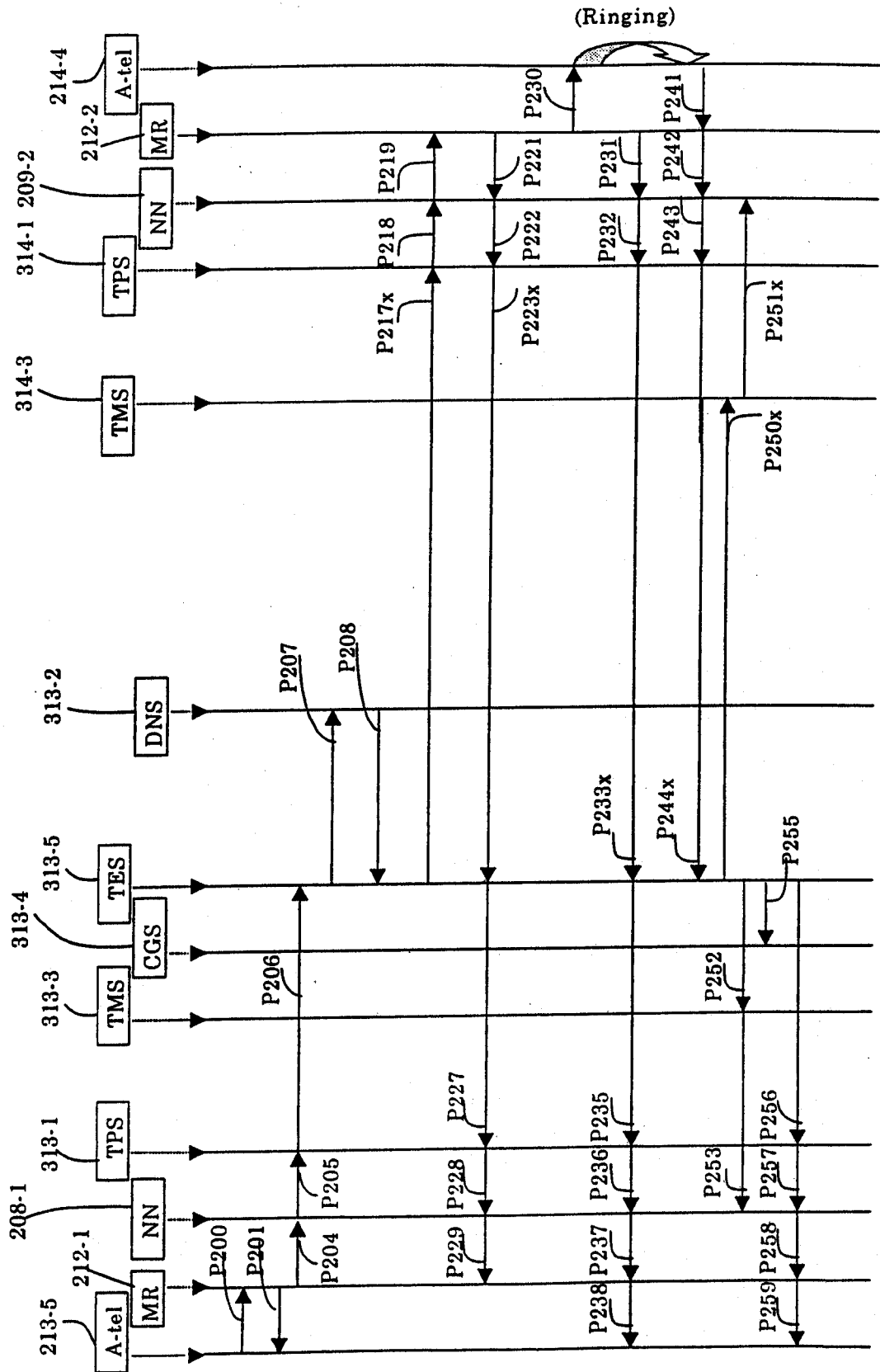


FIG. 109



39/149

FIG. 110



40/149

FIG.111

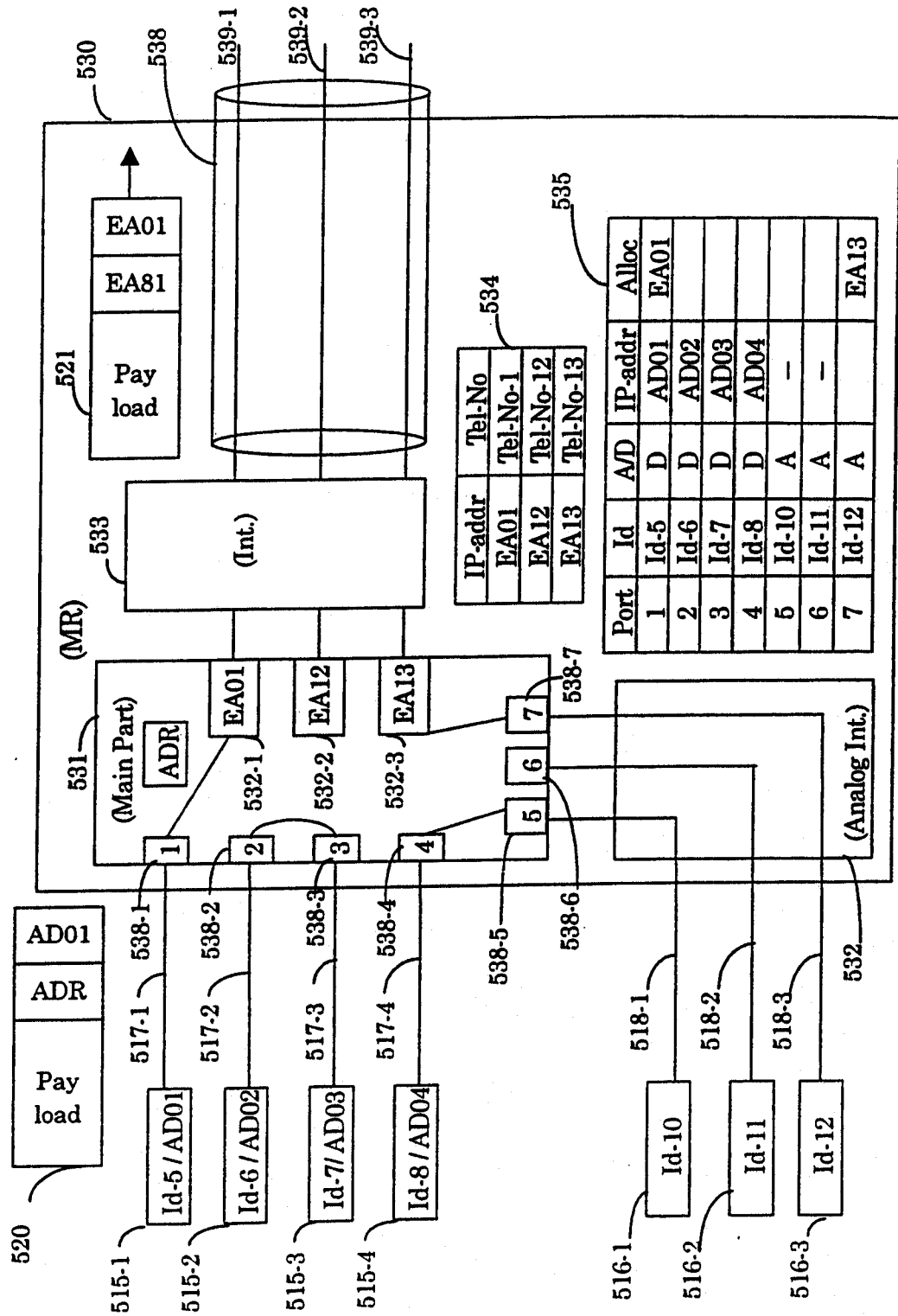
No.	Telephone No.	Own Com. ?	Iden. Information of Another Company
1	81-3-5414-xxxx	No.	Com-130
2	1-2245-5678	No.	Com-025
3	81-47-325-3887	Yes	
4	81-2245-56xx	Yes	
· ·	81-6-1234- xxxx	Yes	
n	1-2345-2345	No	Com-840

FIG.112

No.	Telephone No.	Operated by This TES ? (Own Company)	Iden. Inform.of Another TES (Own Company)
1	81-47-325-3887	Yes	
2	81-2245-56xx	No.	100.10.11.40
3	81-6-1234- xxxx	Yes	
· ·			
m	1-2345-2345	No	100.10.11.70

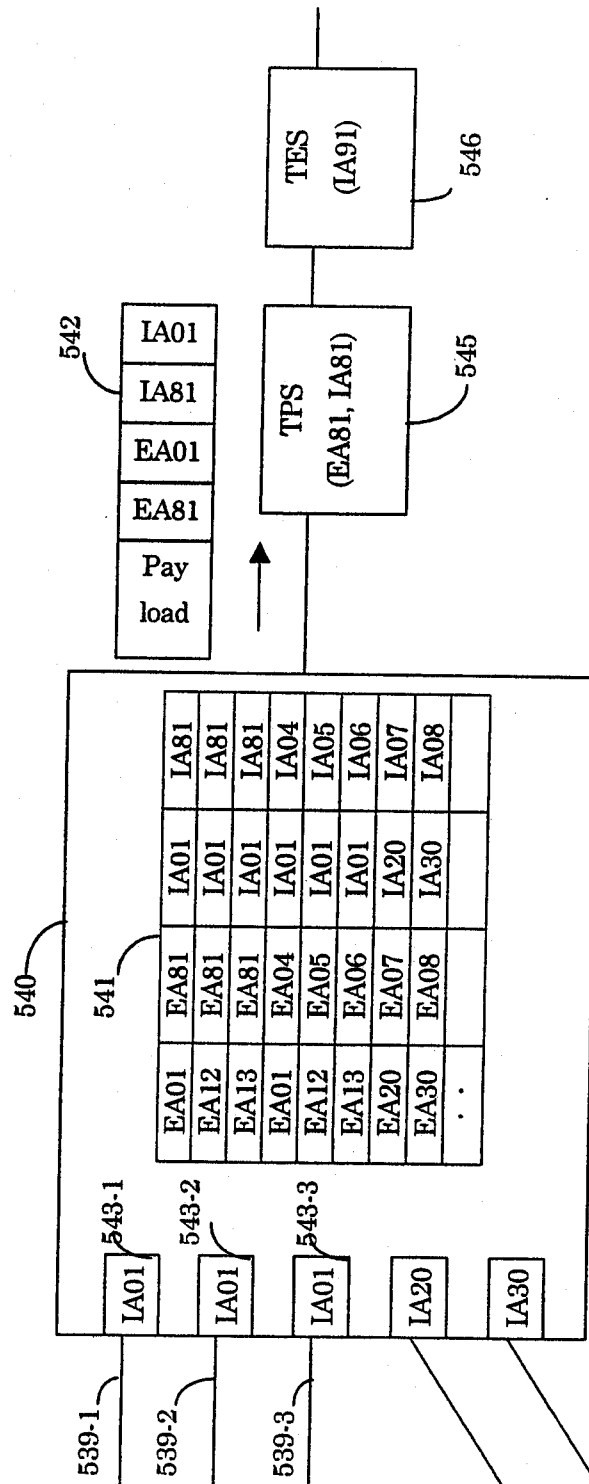
41/149

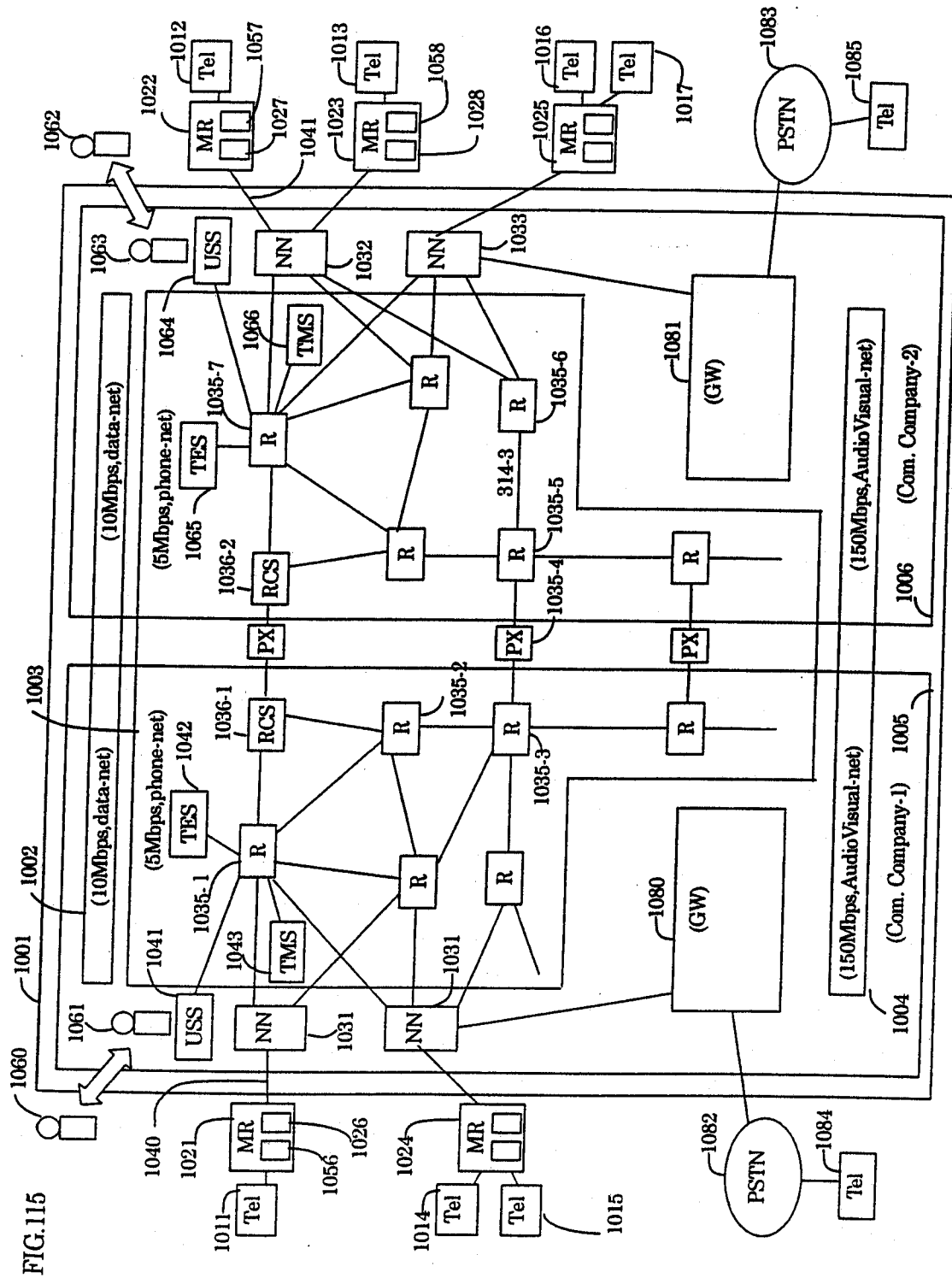
FIG.113



42/149

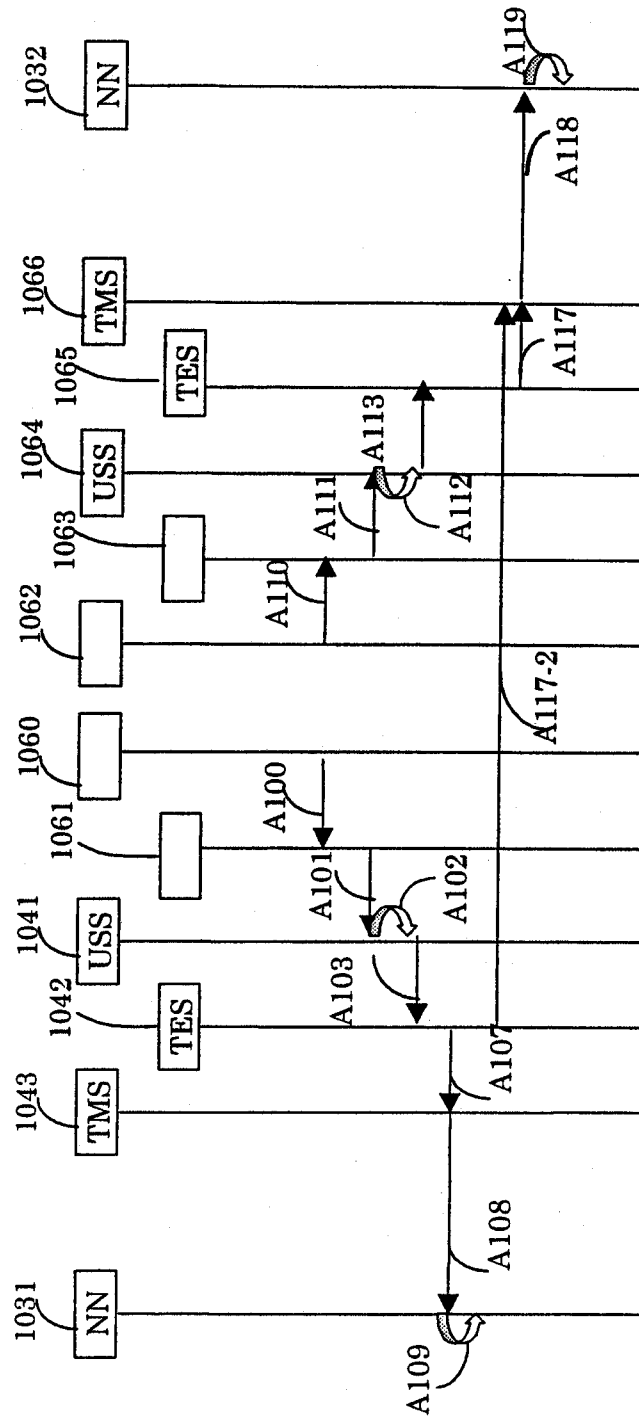
FIG. 114





44/149

FIG.116



45/149

FIG. 117

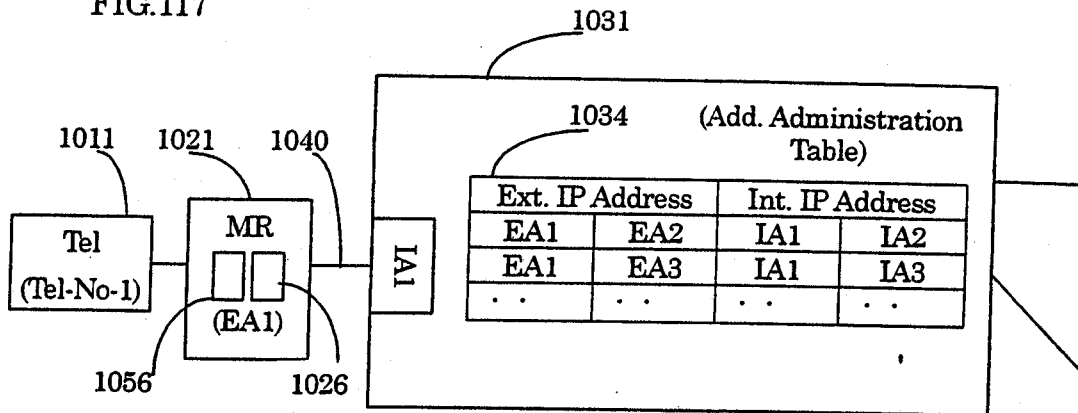
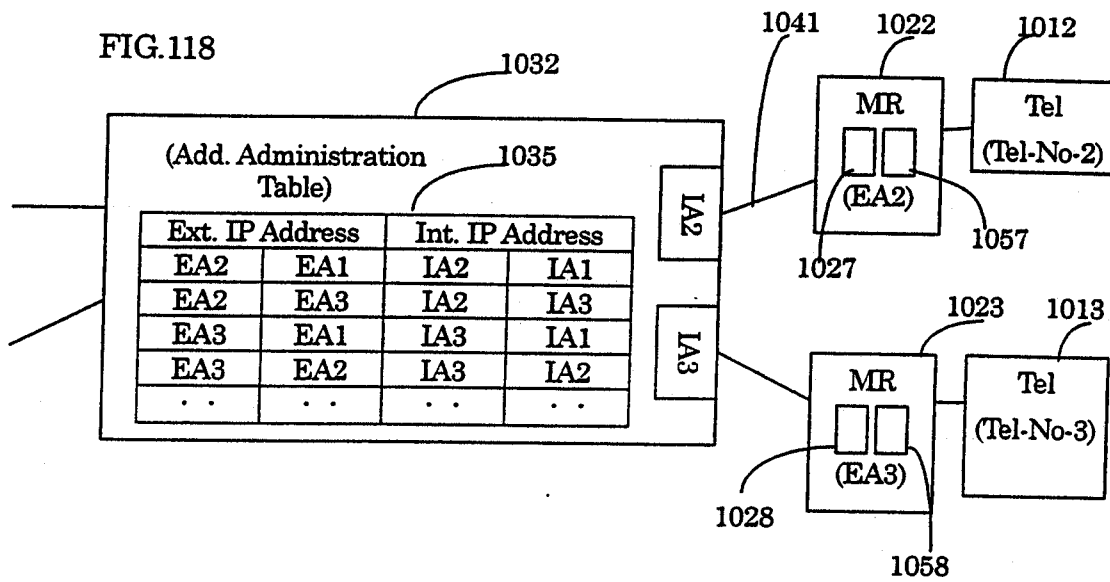
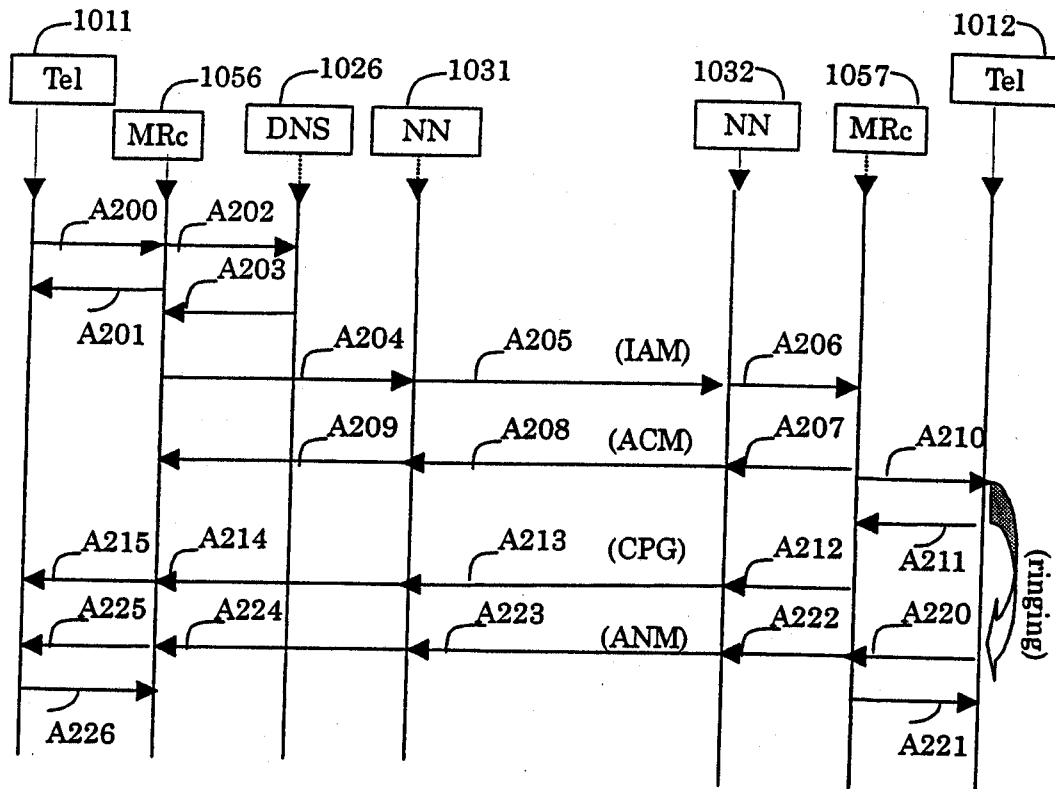


FIG. 118



46/149

FIG.119



47/149

FIG.120

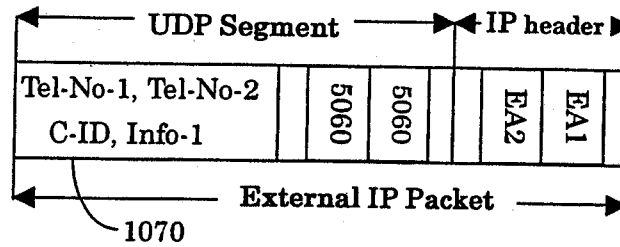


FIG.121

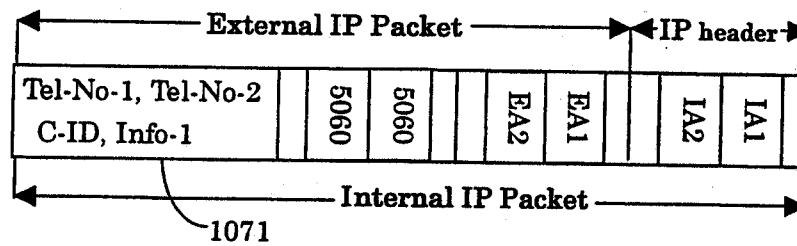
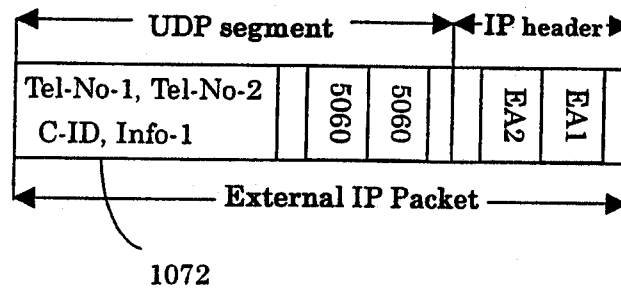


FIG.122



48/149

FIG.123

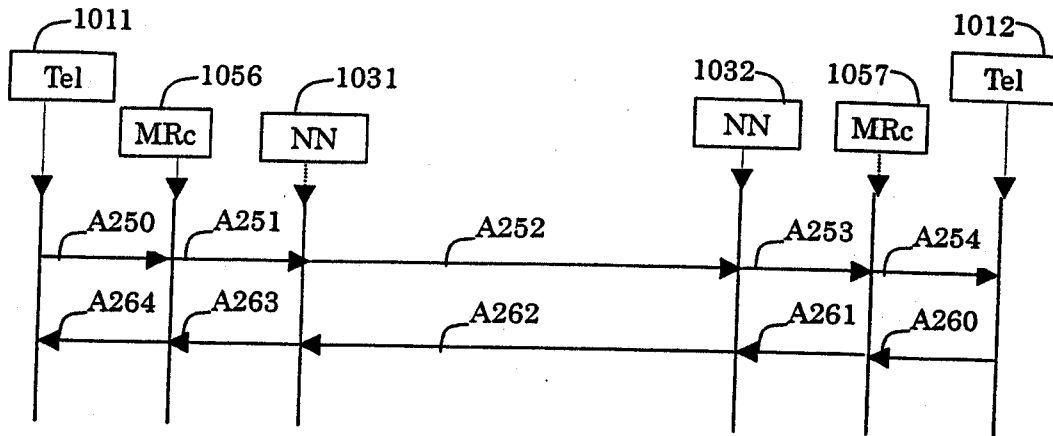


FIG.124

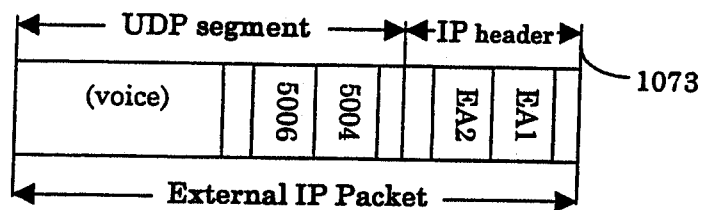


FIG.125

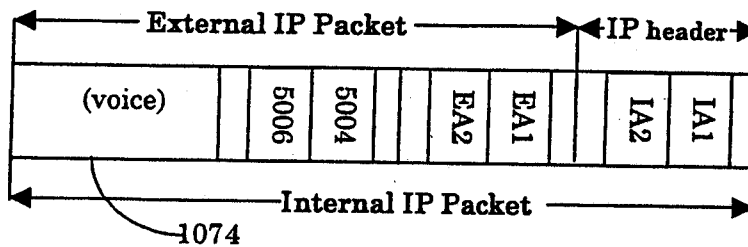
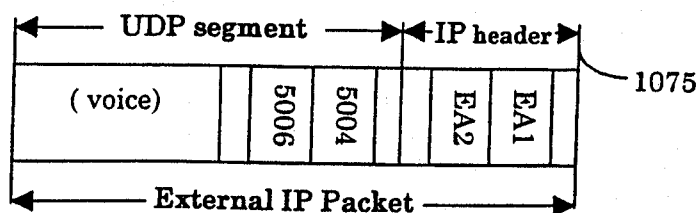


FIG.126



49/149

FIG.127

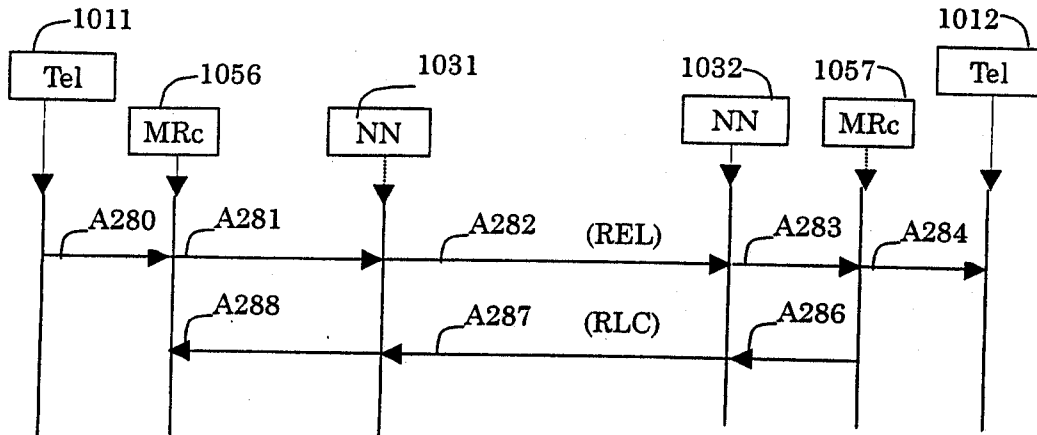
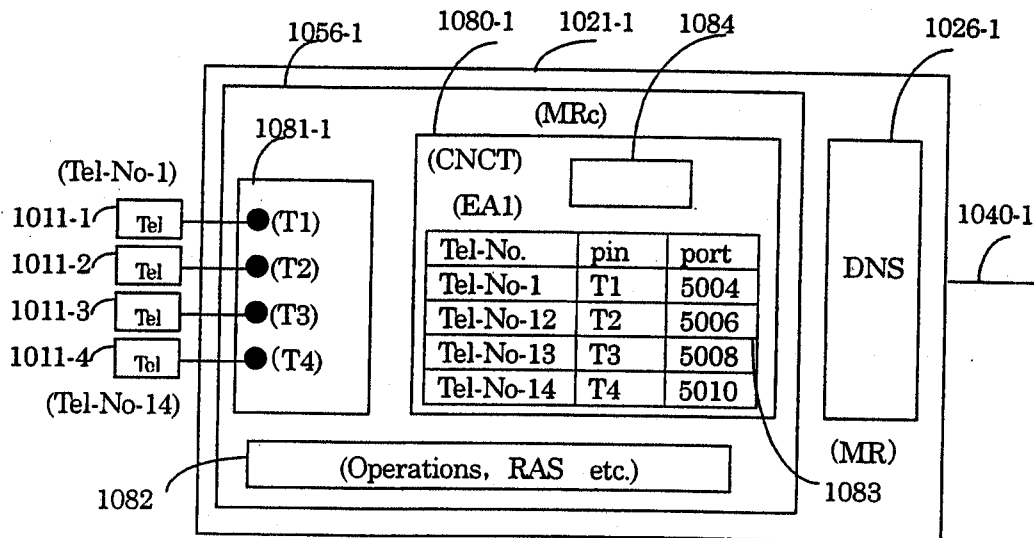


FIG.128



50/149

FIG.129

1083-1

Tel-No.	pin	port
Tel-No-1	T1	5004
Tel-No-1	T2	5006
Tel-No-1	T3	5008
Tel-No-1	T4	5010

FIG.130

1083-2

Tel-No.	pin	port
Tel-No-1	T1	
Tel-No-12	T2	5004
Tel-No-13	T3	
Tel-No-14	T4	

FIG.131

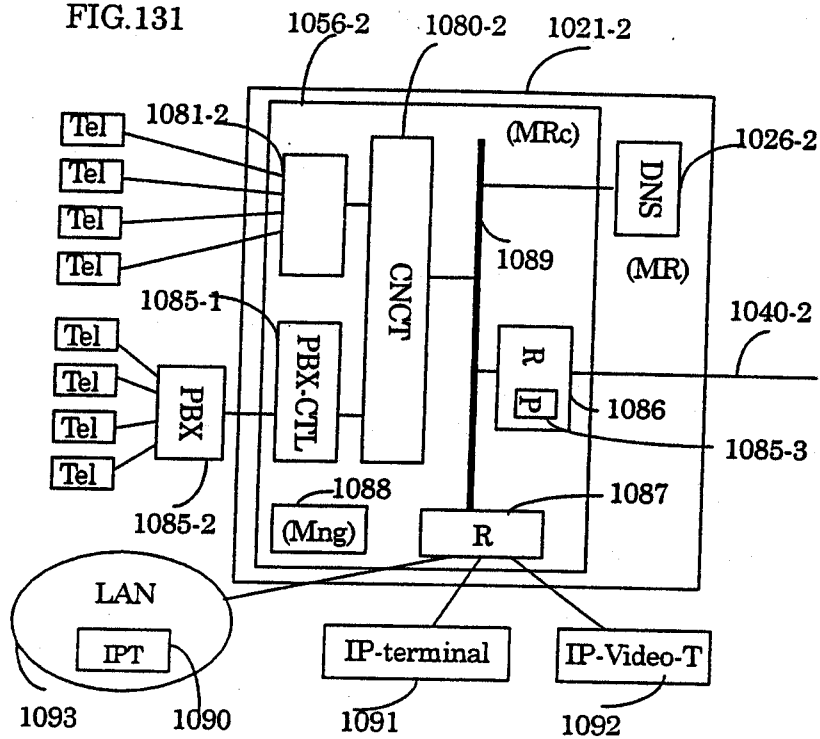


FIG.132

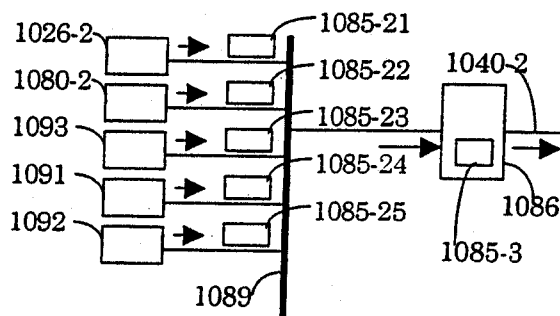


FIG.133

1085-3

(priority)	(port-No.)
2 (high)	108
1	5060, 5004 to 5020
0	others

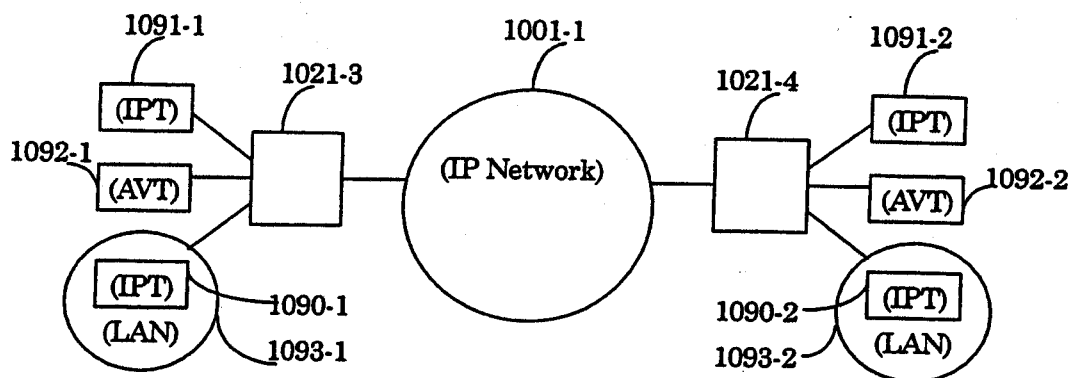
51/149

FIG.134

1085-4

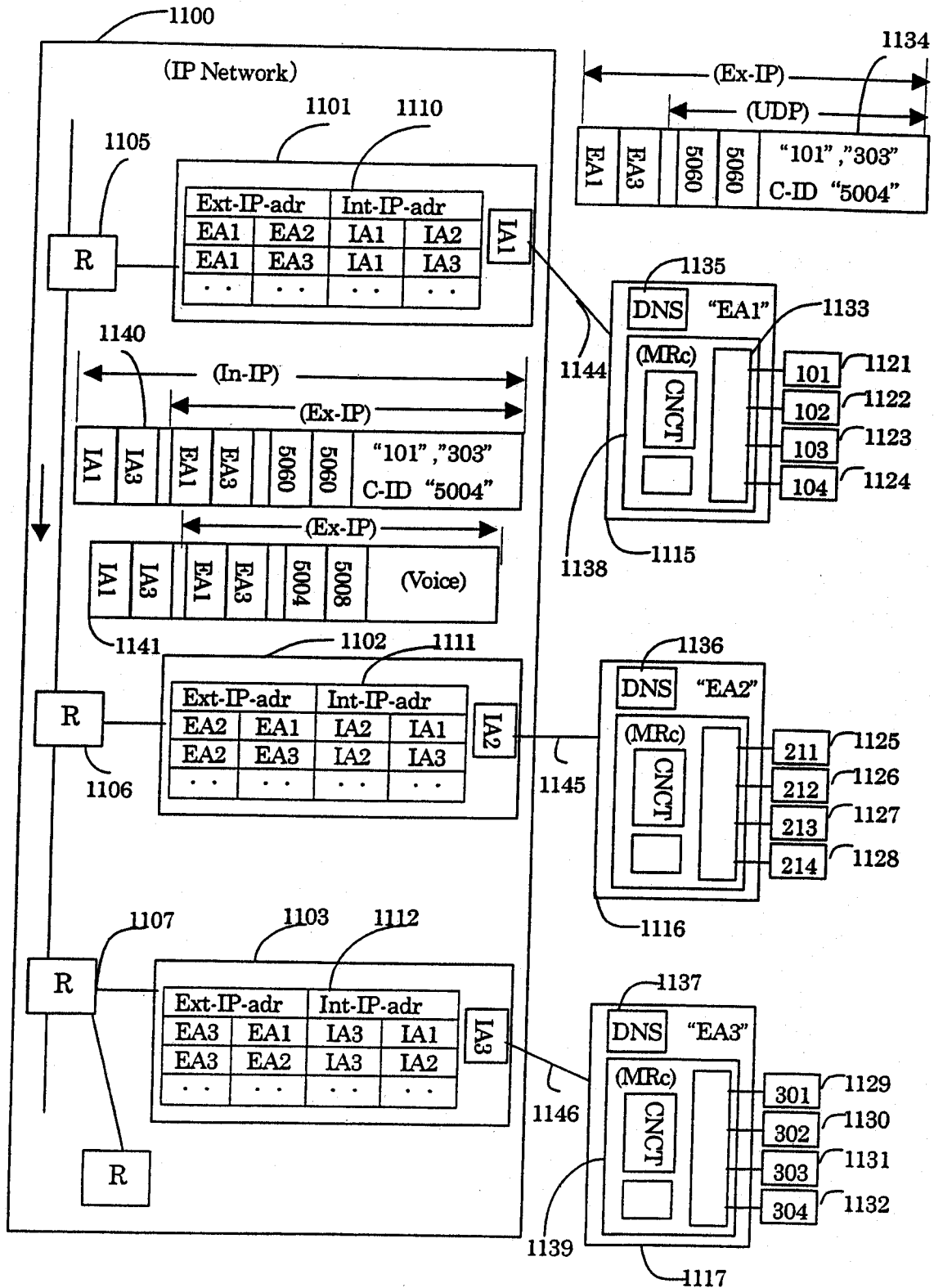
(priority)	(IP address - port No.)
2 (high)	150.1.2.3 - 108
1	192.1.2.3 - 5060, 192.1.2.3 - (5004 to 5020)
0	others

FIG.135



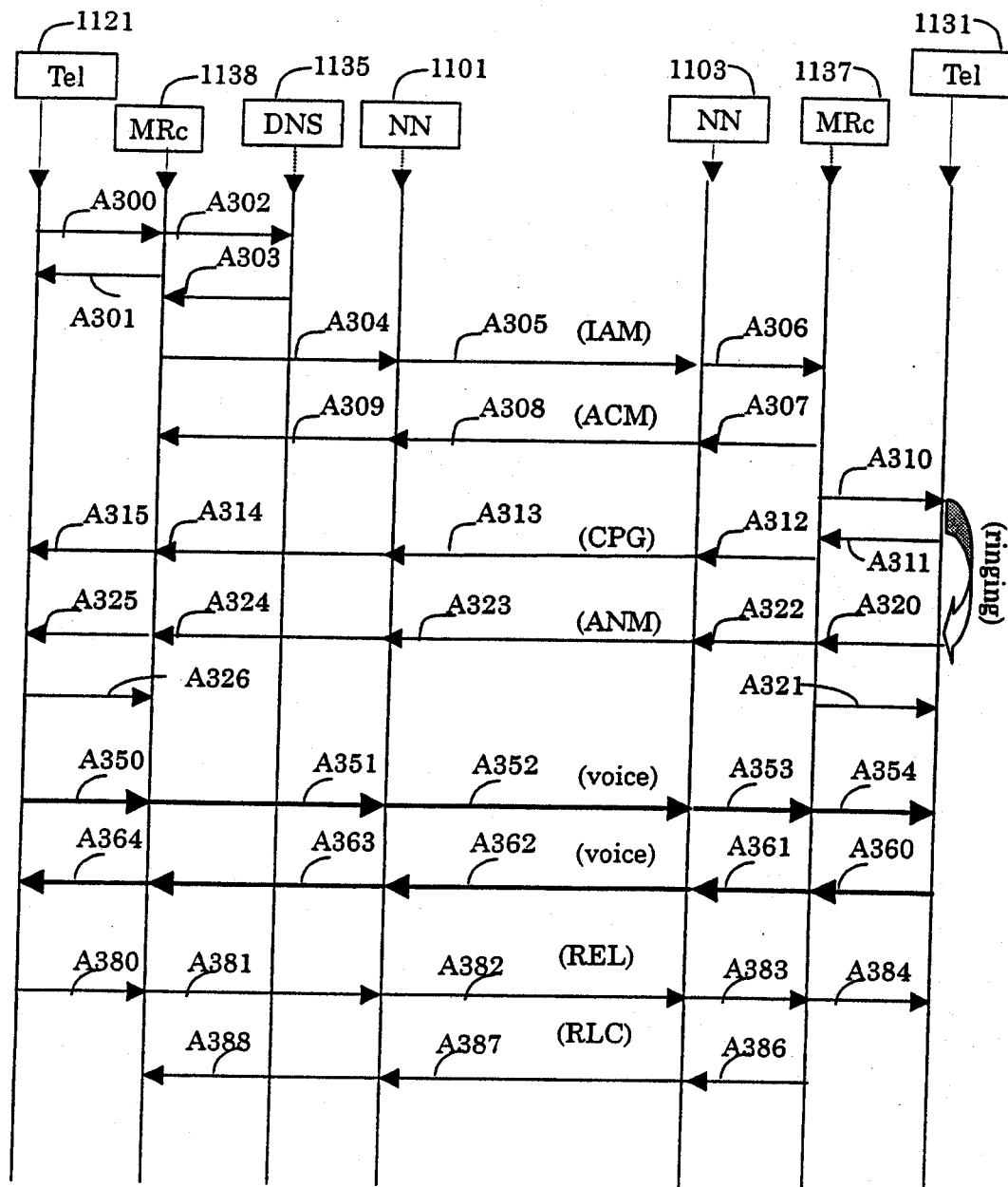
52/149

FIG.136



53/149

FIG. 137



54/149

FIG.138

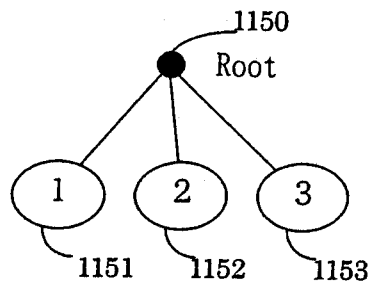


FIG.139

Telephone Number	Domain Name Expression of Telephone No.
1 × ×	1 .
2 × ×	2 .
3 × ×	3 .

FIG.140

Question to Telephone Number Server		Contents of Answer
Question	1 .	EA1
	2 .	EA2
	3 .	EA3

FIG.141

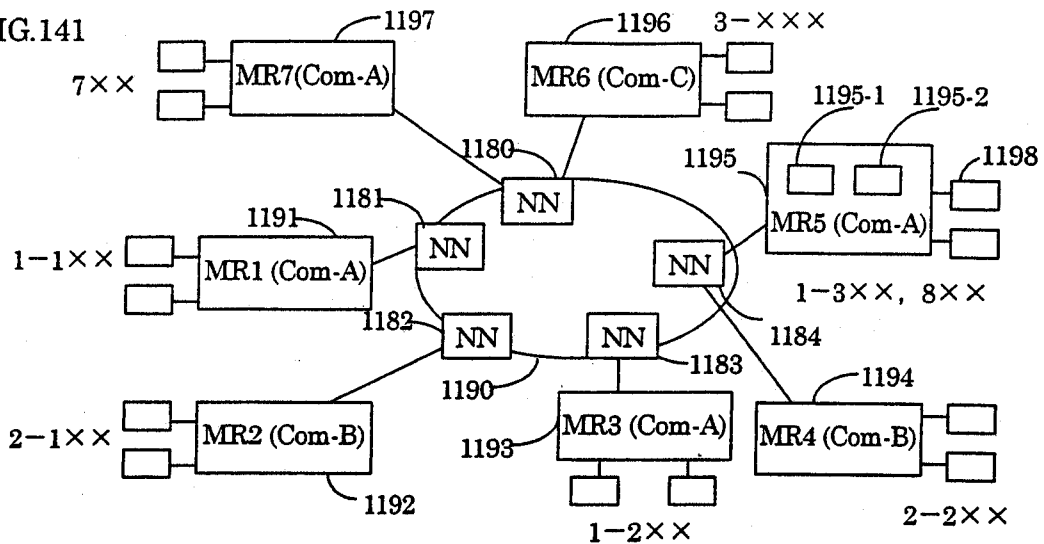


FIG.142

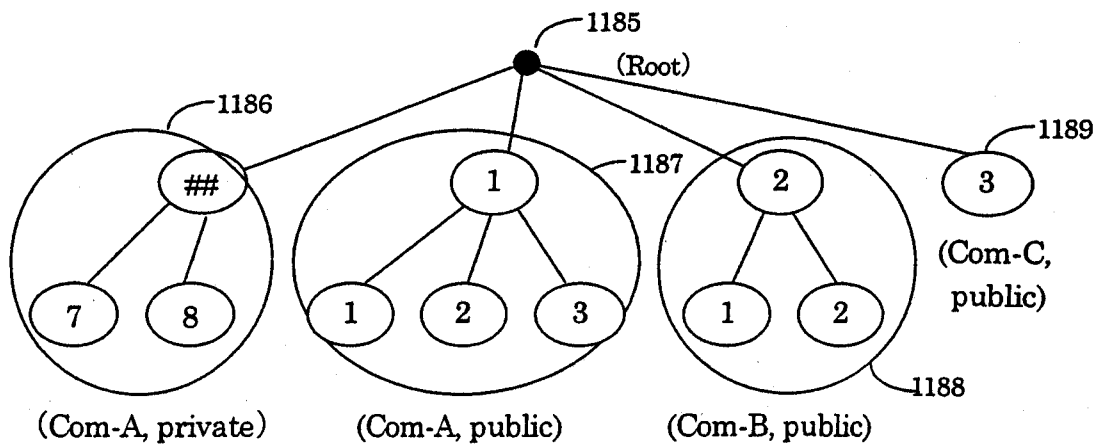


FIG.143

FIG.143

1185-1

Telephone Number	Domain Name Expression of Telephone No.
1-1××	1. 1.
1-2××	2. 1.
1-3××	3. 1.
2-1××	1. 2.
2-2××	2. 2.
3-×××	3.
7××	7. #.
8××	8. #.

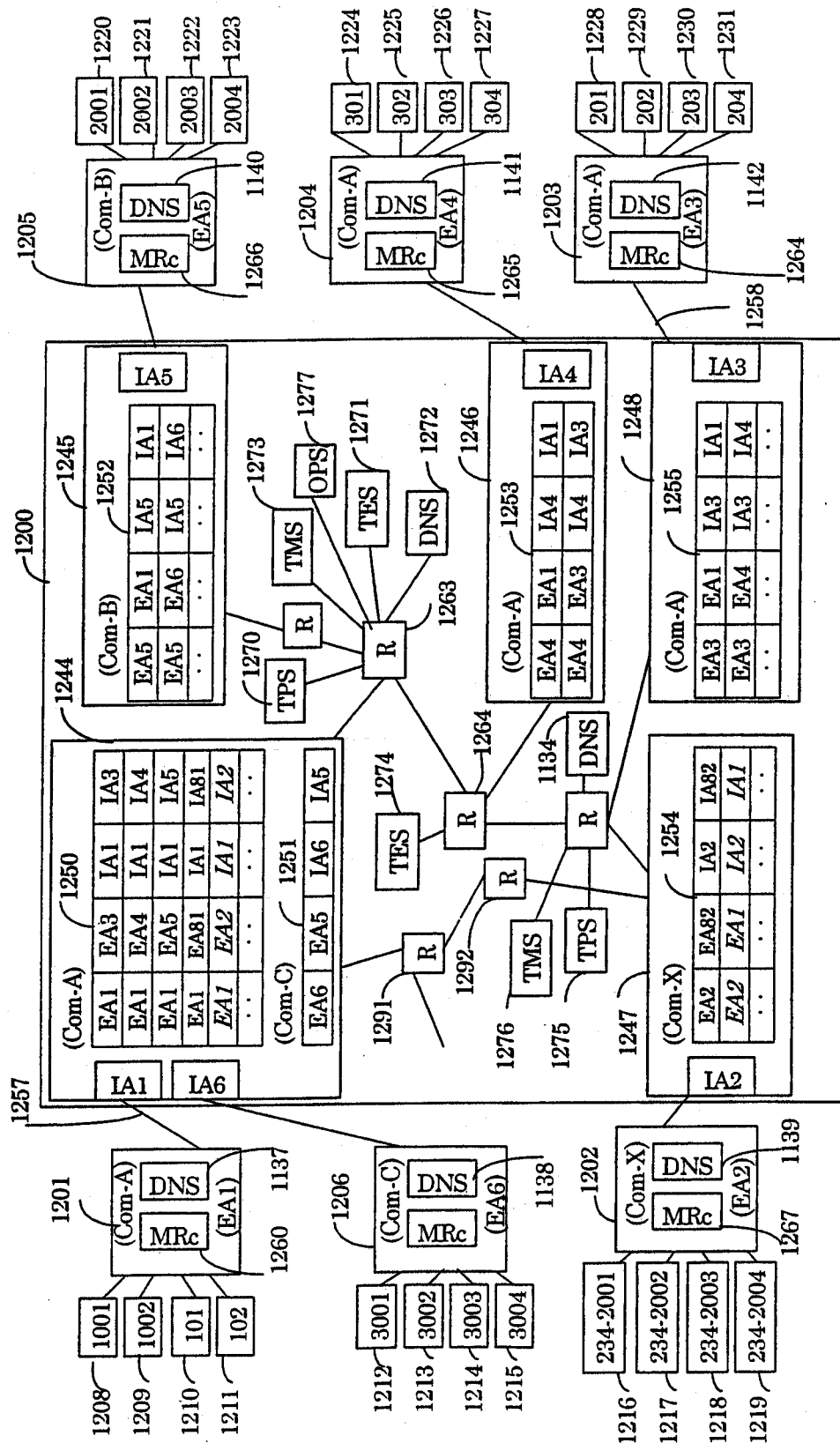
FIG.144

FIG.144

1185-2

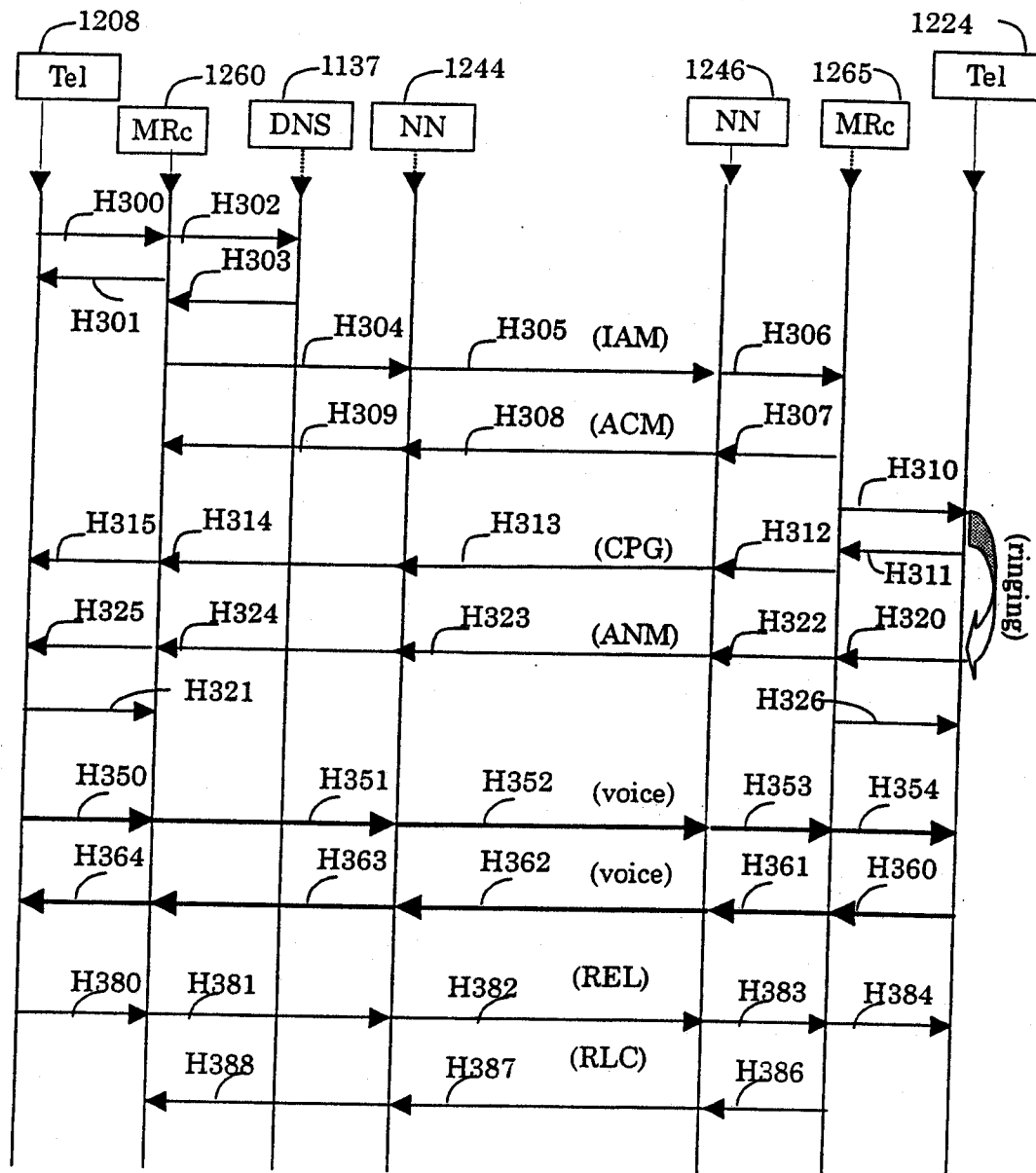
Question to Telephone No. Server	Contents of Answer
1. 1.	IP Address of MR1
2. 1.	IP Address of MR3
3. 1.	IP Address of MR5
1. 2.	IP Address of MR2
2. 2.	IP Address of MR4
3.	IP Address of MR6
7. ##.	IP Address of MR7
8. ##.	IP Address of MR5

FIG. 145



57/149

FIG. 146



58/149

FIG.147

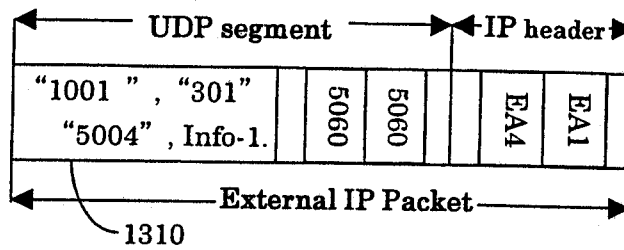


FIG.148

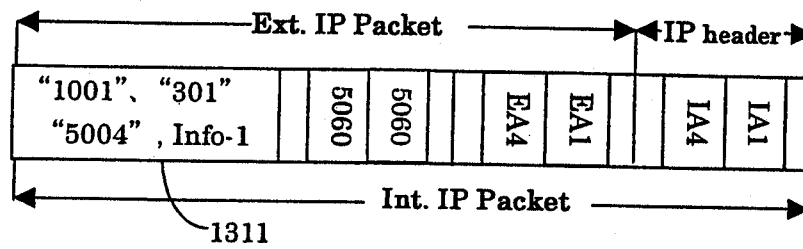


FIG.149

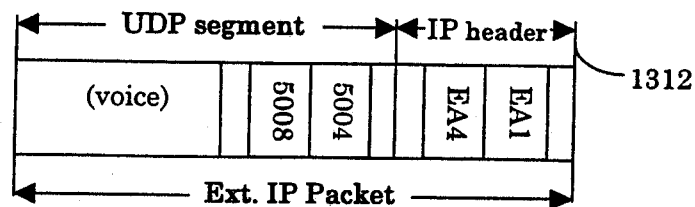
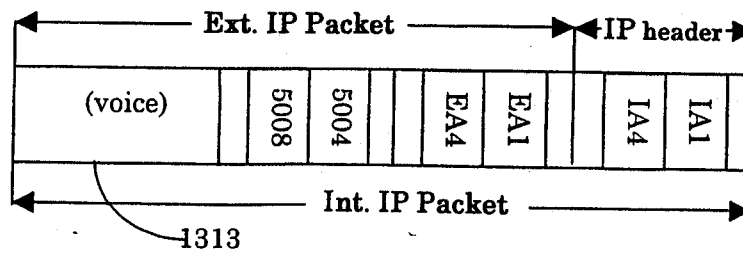
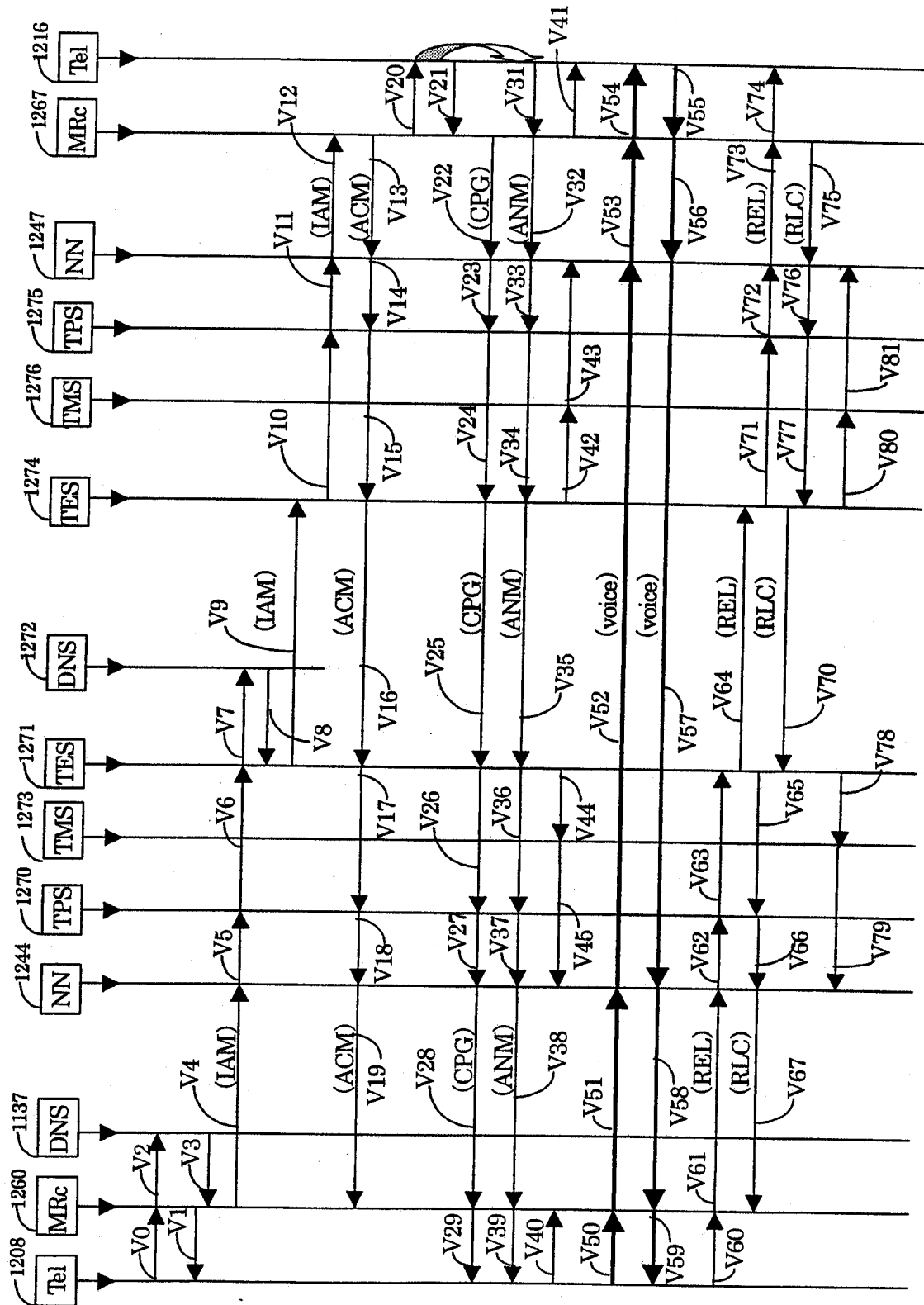


FIG.150



59/149

FIG.151



60/149

FIG.152

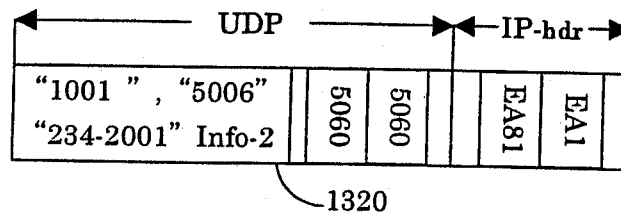


FIG.153

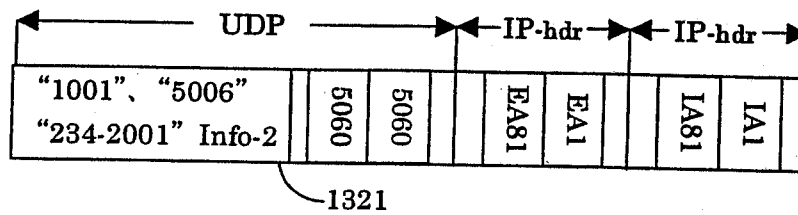


FIG.154

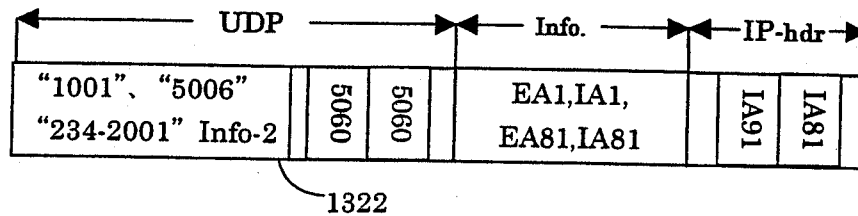


FIG.155

CIC No.	Sender Phone No.	Receiver Phone No.	IP Address	Step	Start Time	End Time
CIC-1	"1004"	"××.×.×"	×,×,××.×	ANM	St-1	
CIC-2	"1001"	"234-2001"	EA1,IA1,EA81,IA81,IA91	IAM	St-2	
..	..	..	..	..	..	..

61/149

FIG.156

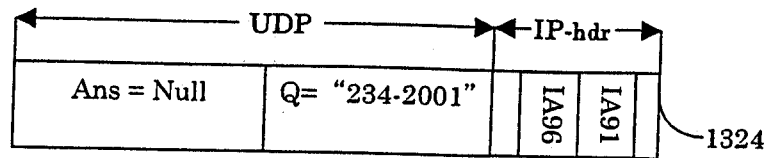


FIG.157

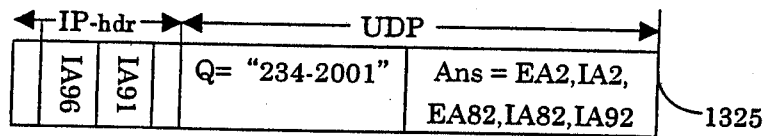


FIG.158

CIC No.	Sender Phone No.	Receiver Phone No.	IP Address	Step	Start Time	End Time
CIC-1	"1004"	"X X"	X, X, X X . .	ANM	St-1	
CIC-2	"1001"	"234-2001"	EA1,IA1,EA81,IA81,IA91,EA2,IA2,EA82,IA82,IA92	IAM	St-2	
. .	. .	. .	. .	. .	. .	. .

FIG.159

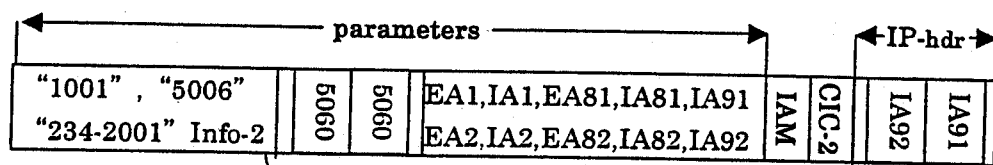


FIG.160

CIC No.	Sender Phone No.	Receiver Phone No.	IP Address	Step	Start Time	End Time
CIC-2	"1001"	"234-2001"	EA1,IA1,EA81,IA81,IA91,EA2,IA2,EA82,IA82,IA92	IAM	St-3	
. .	. .	. .	. .	. .	. .	. .

62/149

FIG.161

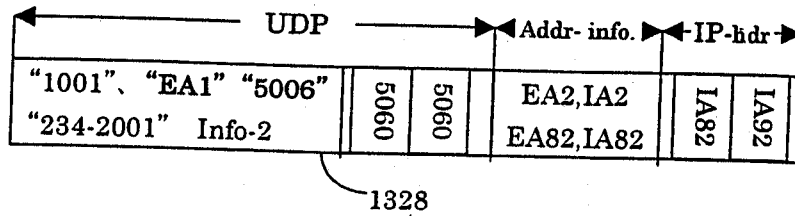


FIG.162

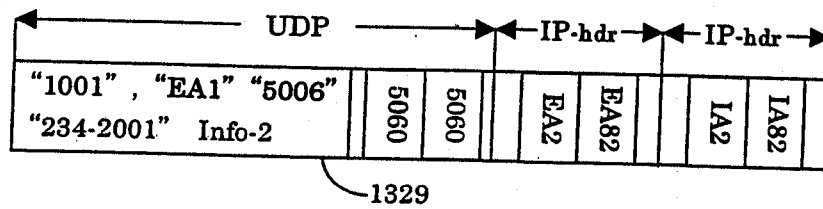


FIG.163

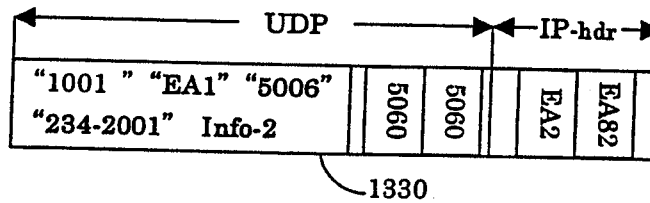


FIG.164

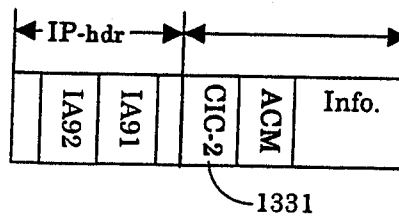
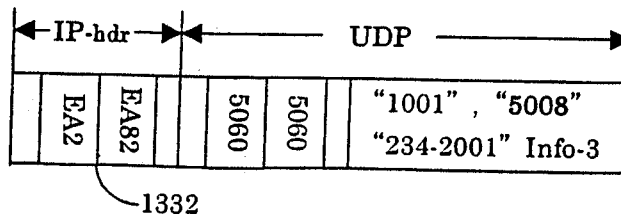


FIG.165



63/149

FIG.166

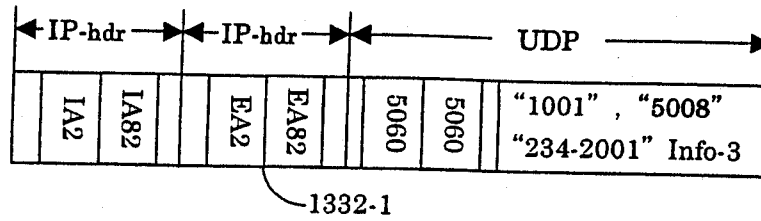


FIG.167

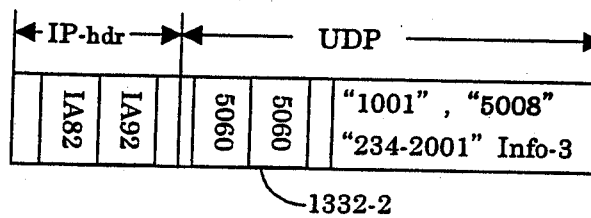


FIG.168

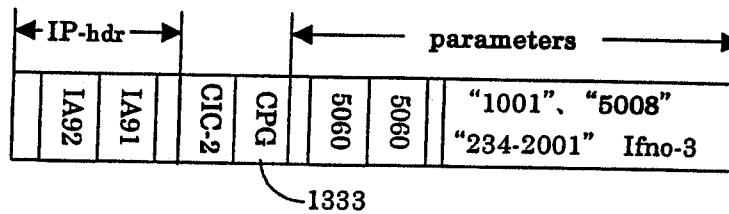


FIG.169

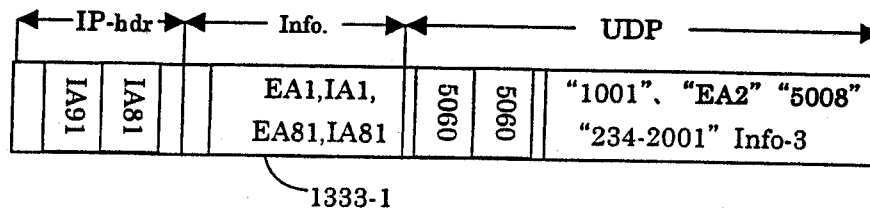
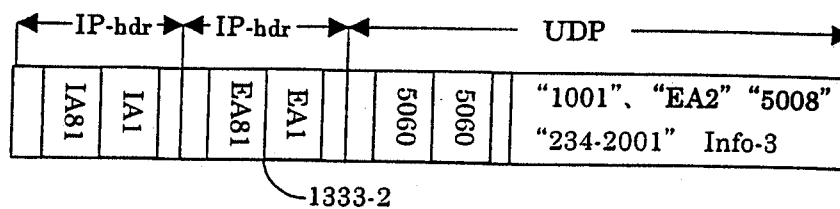


FIG.170



64/149

FIG.171

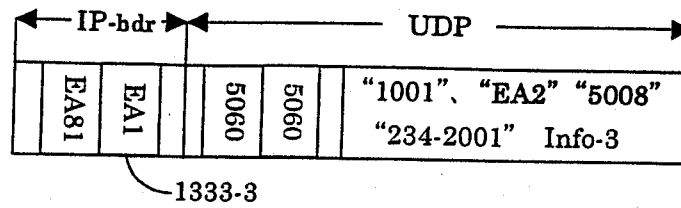


FIG.172

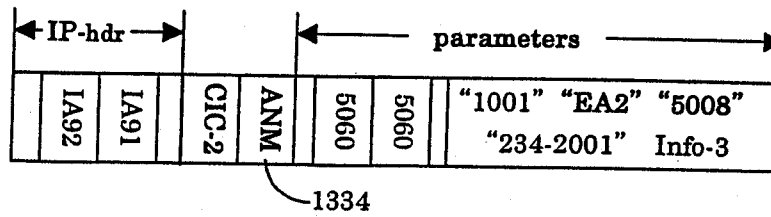


FIG.173

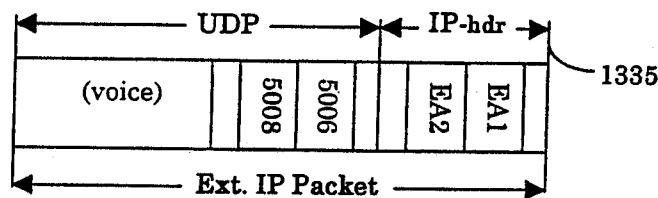
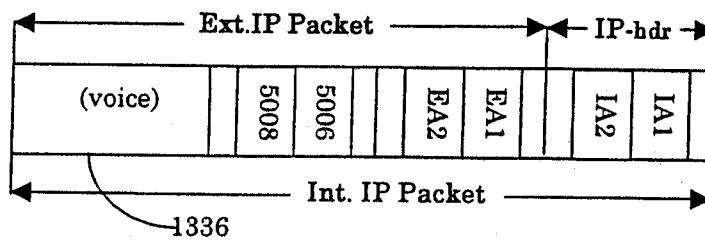


FIG.174



65/149

FIG.175

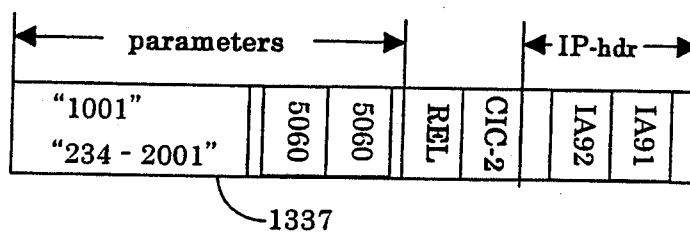
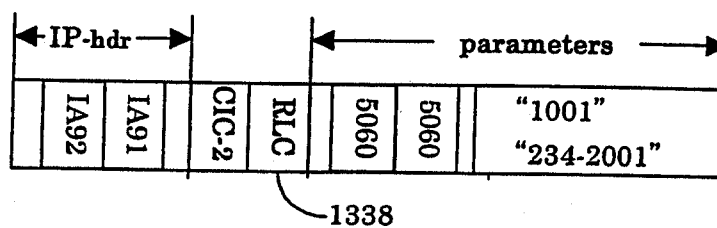


FIG.176



66/149

FIG.177

1326-5

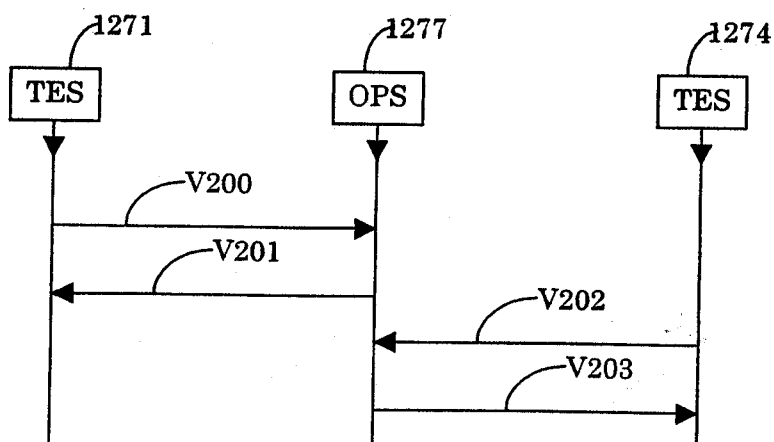
(MR IP Address)	No. of Using Line	Upper Lim. of Line
EA1	2	5
EA6	3	4
..	..	..

FIG.178

1326-6

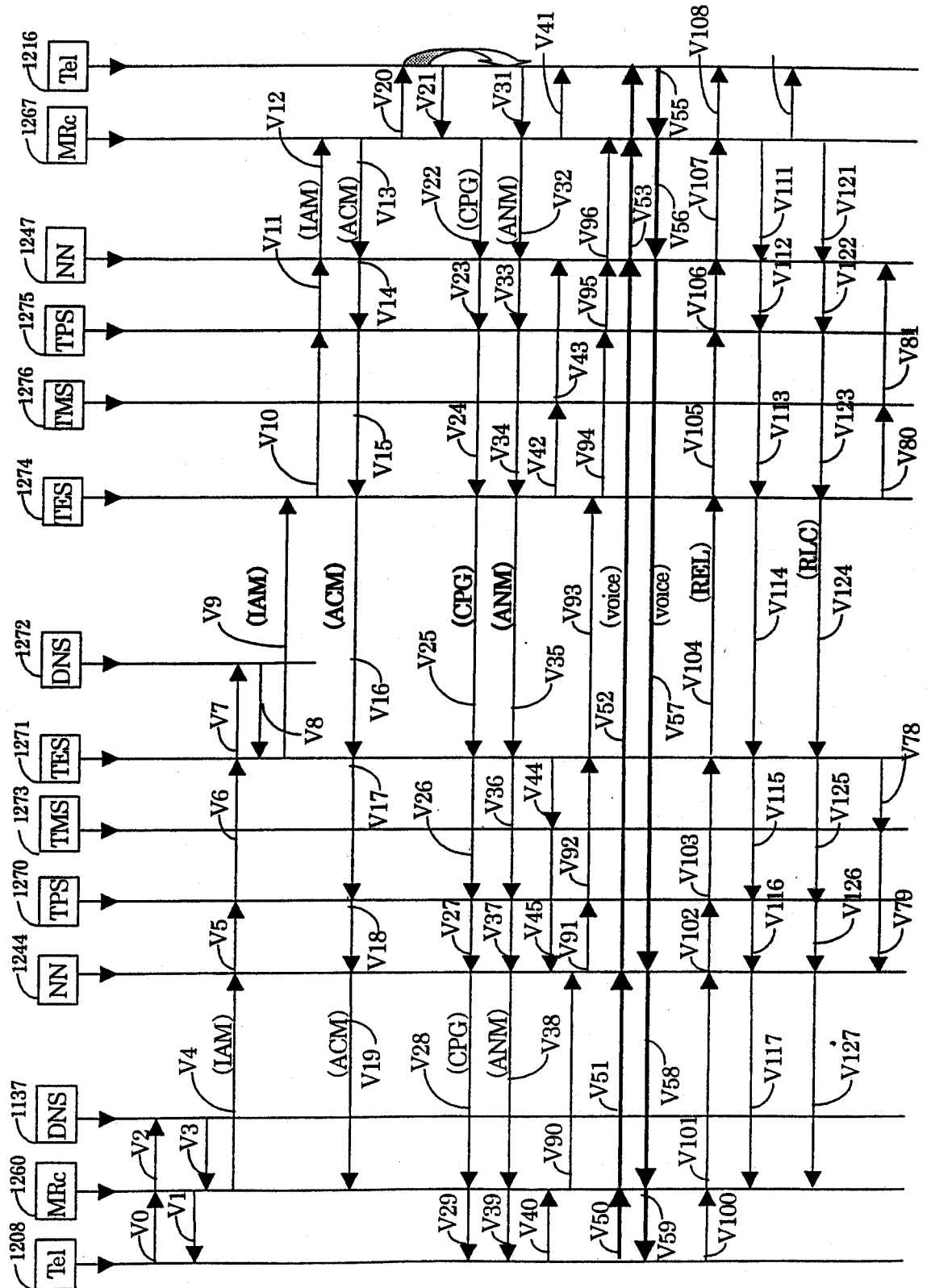
(MR IP Address)	No. of Using Line	Upper Lim. of Line
EA7	0	3
EA2	2	7
..	..	..

FIG.179



67/149

FIG.180



68/149

FIG.181

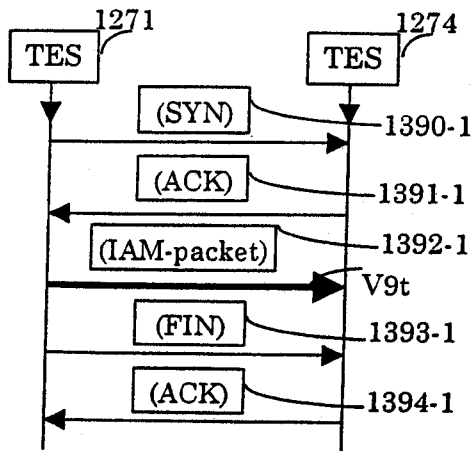


FIG.182

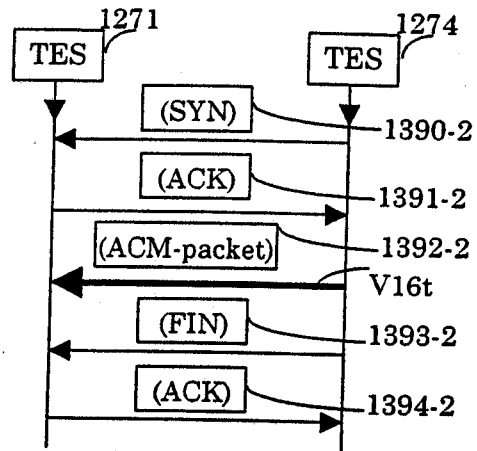


FIG.183

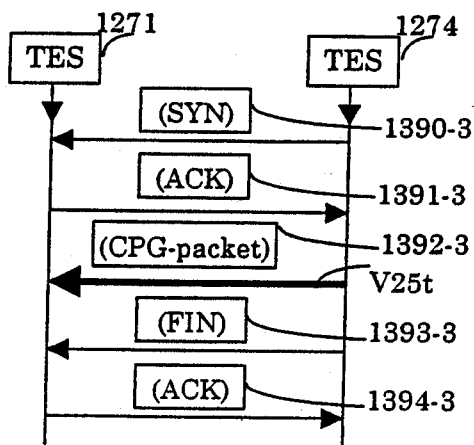


FIG.184

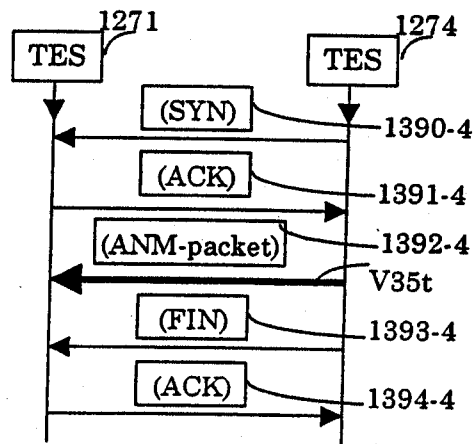


FIG.185

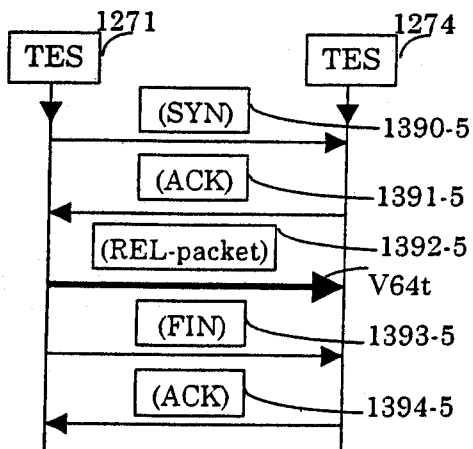
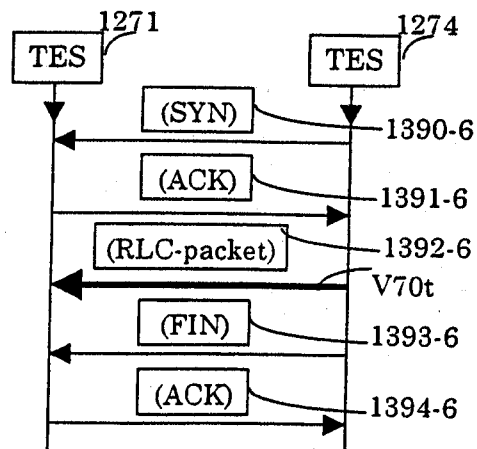
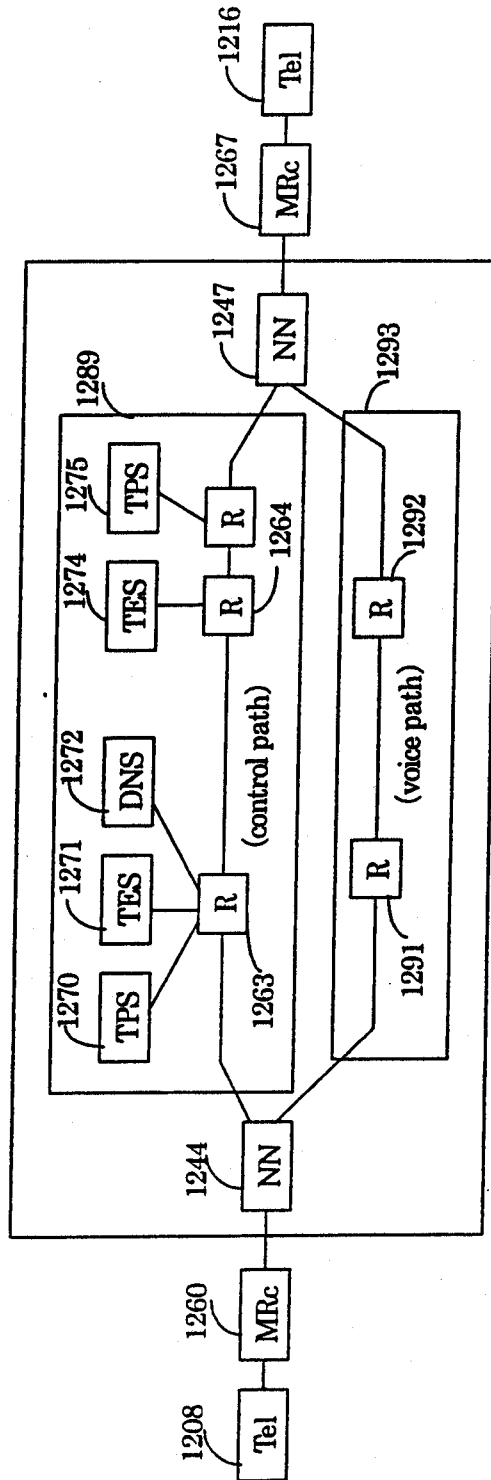


FIG.186



69/149

FIG.187



70/149

FIG.188

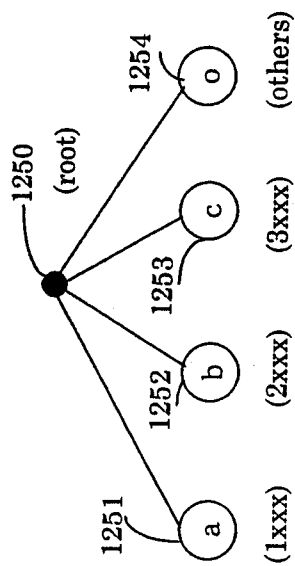


FIG.189

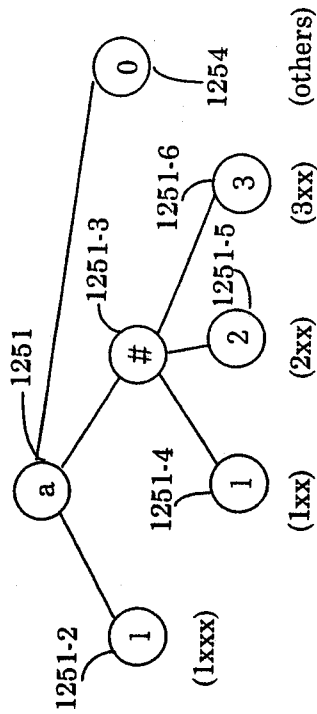


FIG.190

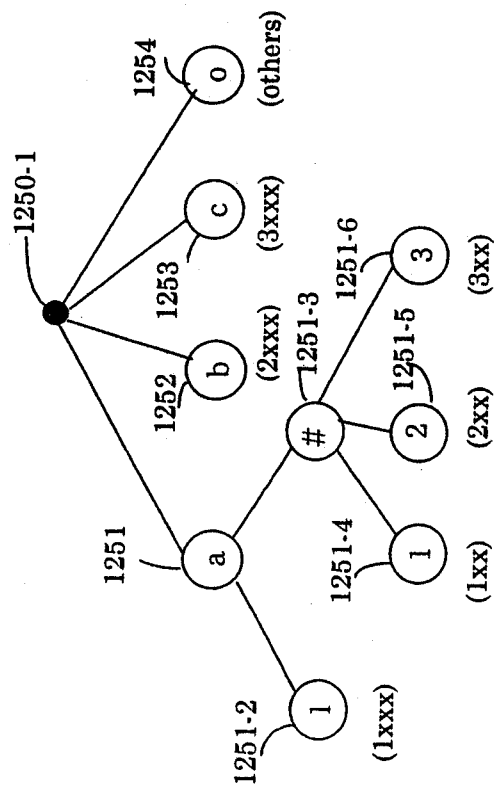
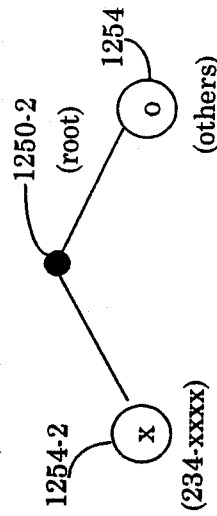


FIG.191



71/149

FIG.192

1255-1

Phone No.	Domain Name Expression of Phone No.
1xxx	1.a.
2xxx	b.
3xxx	c.
1xx	1.#.a.
2xx	2.#.a.
3xx	3.#.a.
others	o.

FIG.193

1255-2

Domain Name Expression of Phone No.	IP Address
1.a.	EA1
b.	EA5
c.	EA6
1.#.a.	EA1
2.#.a.	EA3
3.#.a.	EA4
o.	EA81

FIG.194

1256-1

Phone No.	Domain Name Expression of Phone No.
1xxx	1.a.
1xx	1.#.a.
2xx	2.#.a.
3xx	3.#.a.
others	o.

FIG.195

1256-2

Domain Name Expression of Phone No.	IP Address
1.a.	EA1
1.#.a.	EA1
2.#.a.	EA3
3.#.a.	EA4
o.	EA81

FIG.196

1257-1

Phone No.	Domain Name Expression of Phone No.
1xxx	a.
2xxx	b.
3xxx	c.
others	o.

FIG.197

1257-2

Domain Name Expression of Phone No.	IP Address
a.	EA1
b.	EA5
c.	EA6
o.	EA81

72/149

FIG.198

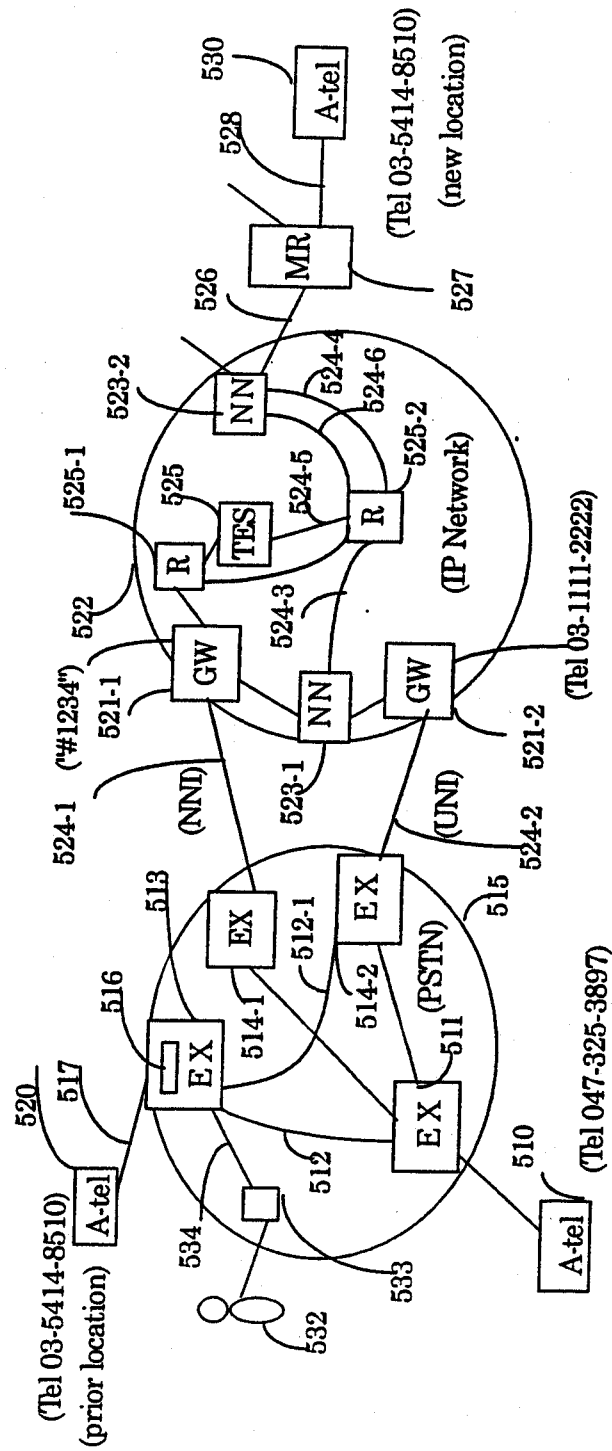
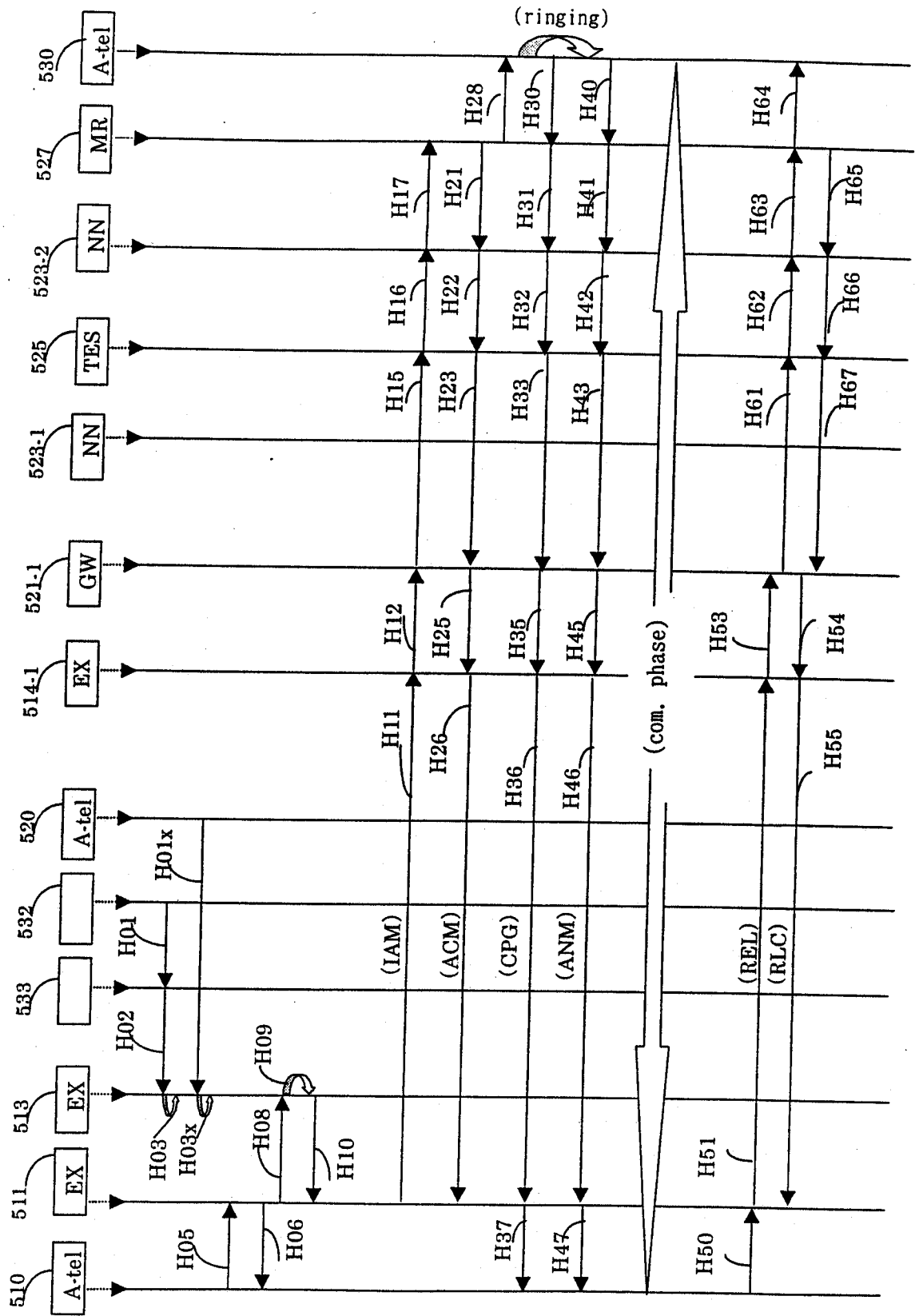


FIG.199



74/149

FIG.200

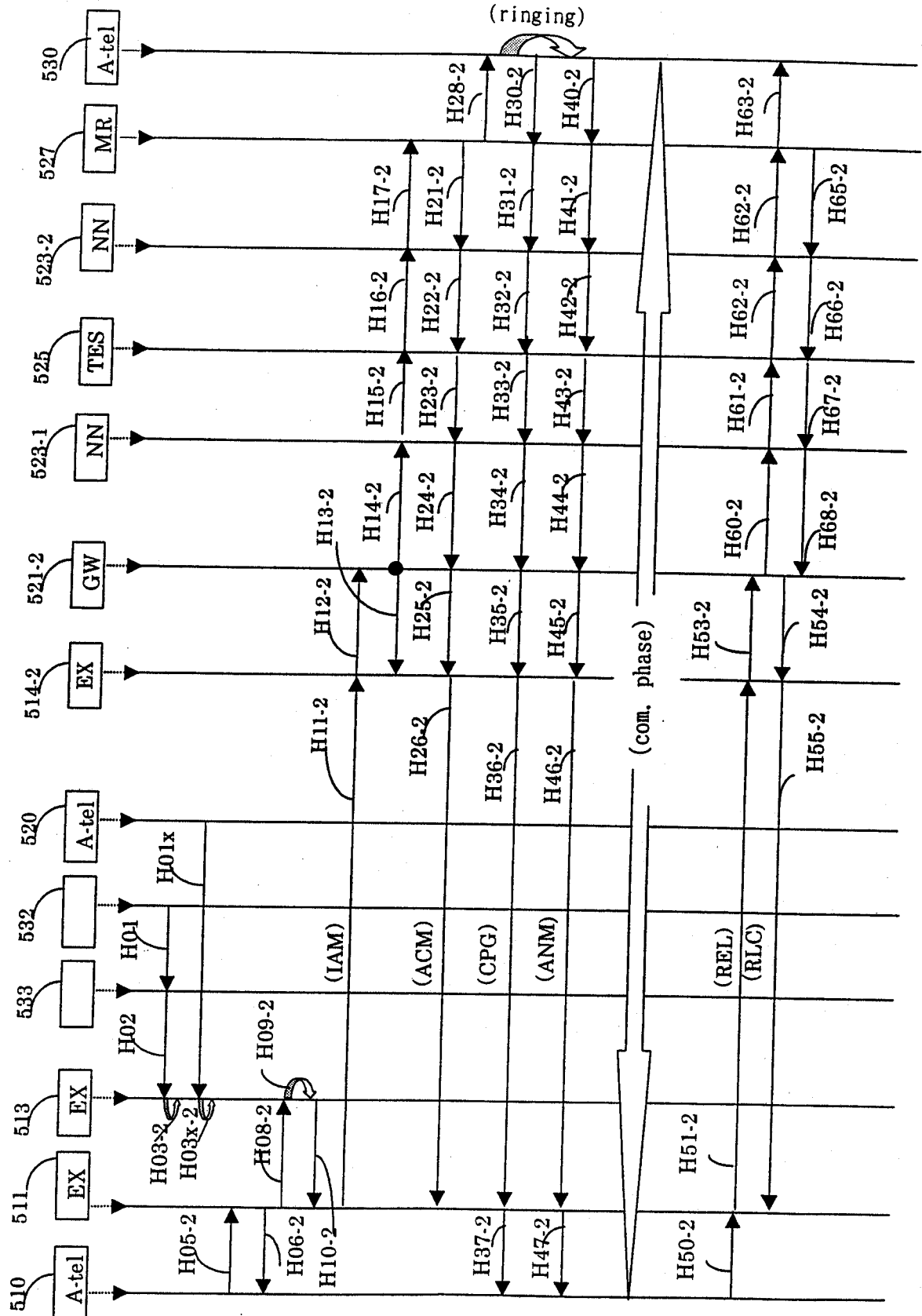
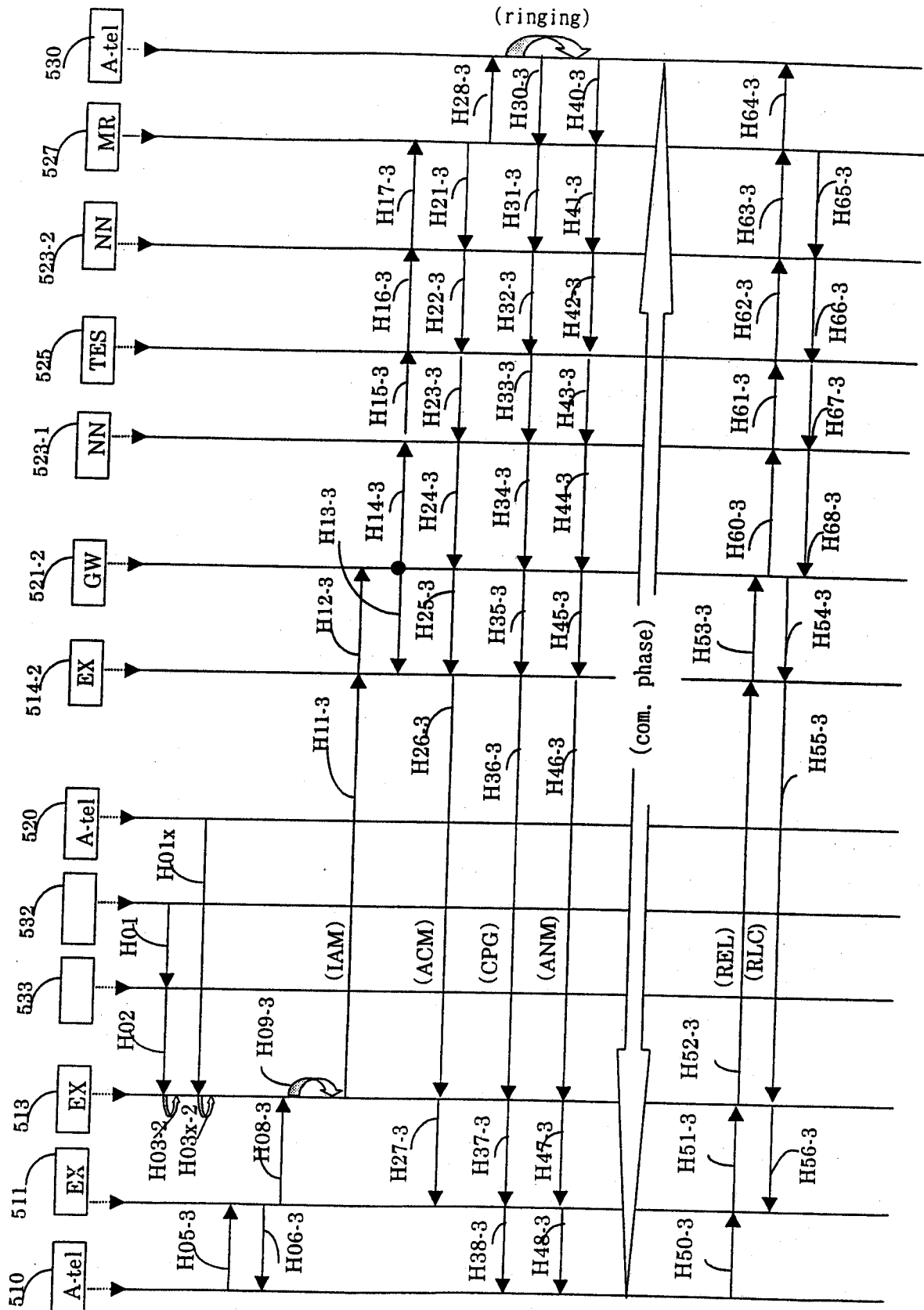
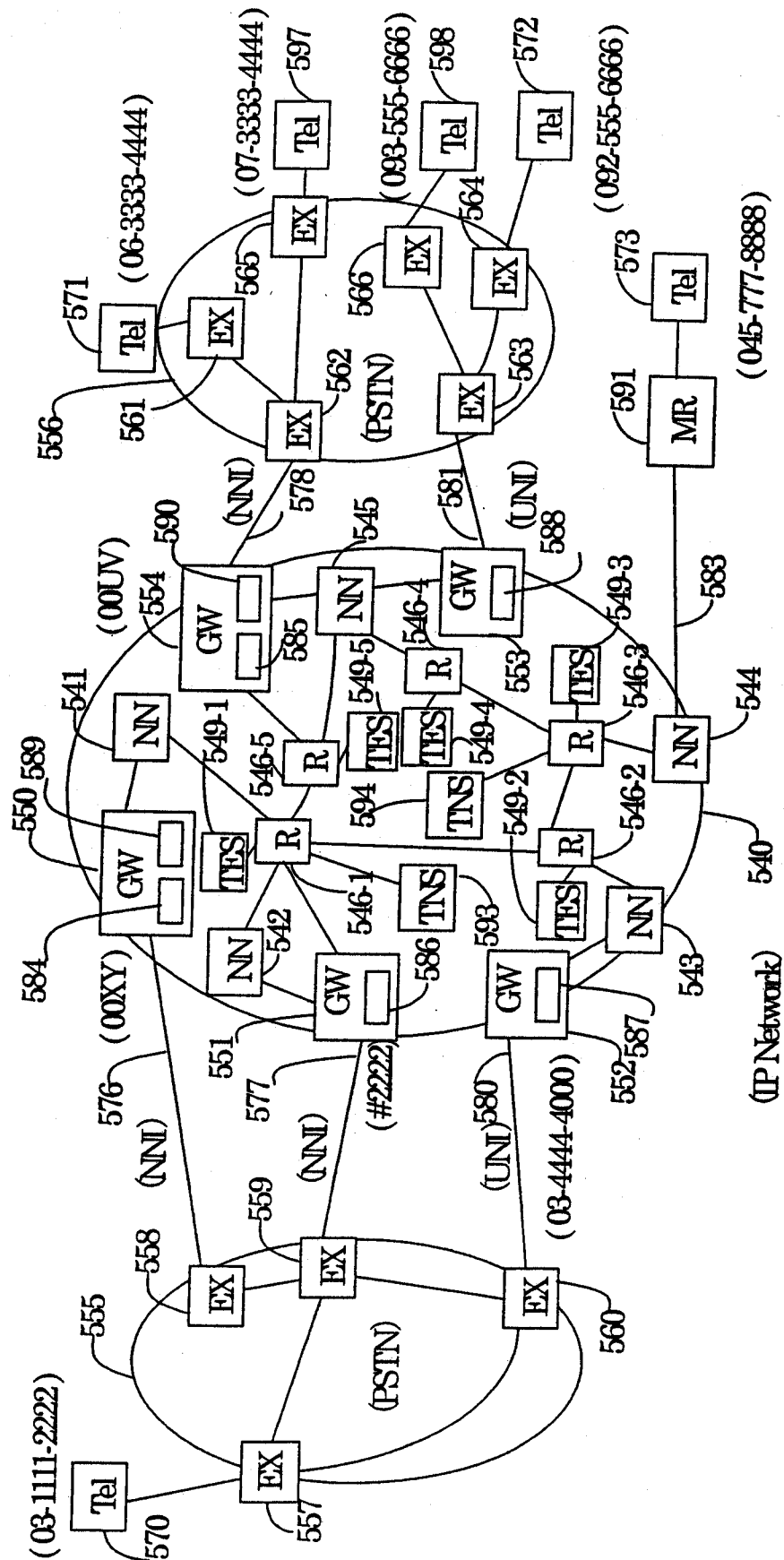


FIG. 201



76/149

FIG. 202



77/149

FIG.203

584

Range of Receiver Phone No.	Division	Phone No. of Input GW	Sig. Pt. Code of Input GW
06-0000-0000~06-9999-9999	NNI		# 2222
092-000-0000~092-999-9999	UNI	03-4444-4000~ 03-4444-4099	
045-777-8880~045-777-8890	UNI	03-4444-4000~ 03-4444-4099	
07-0000-0000~07-9999-9999	UNI	03-4444-4000~ 03-4444-4099	
093-000-0000~093-999-9999	NNI		# 2222
..		..	..

hex-decimal

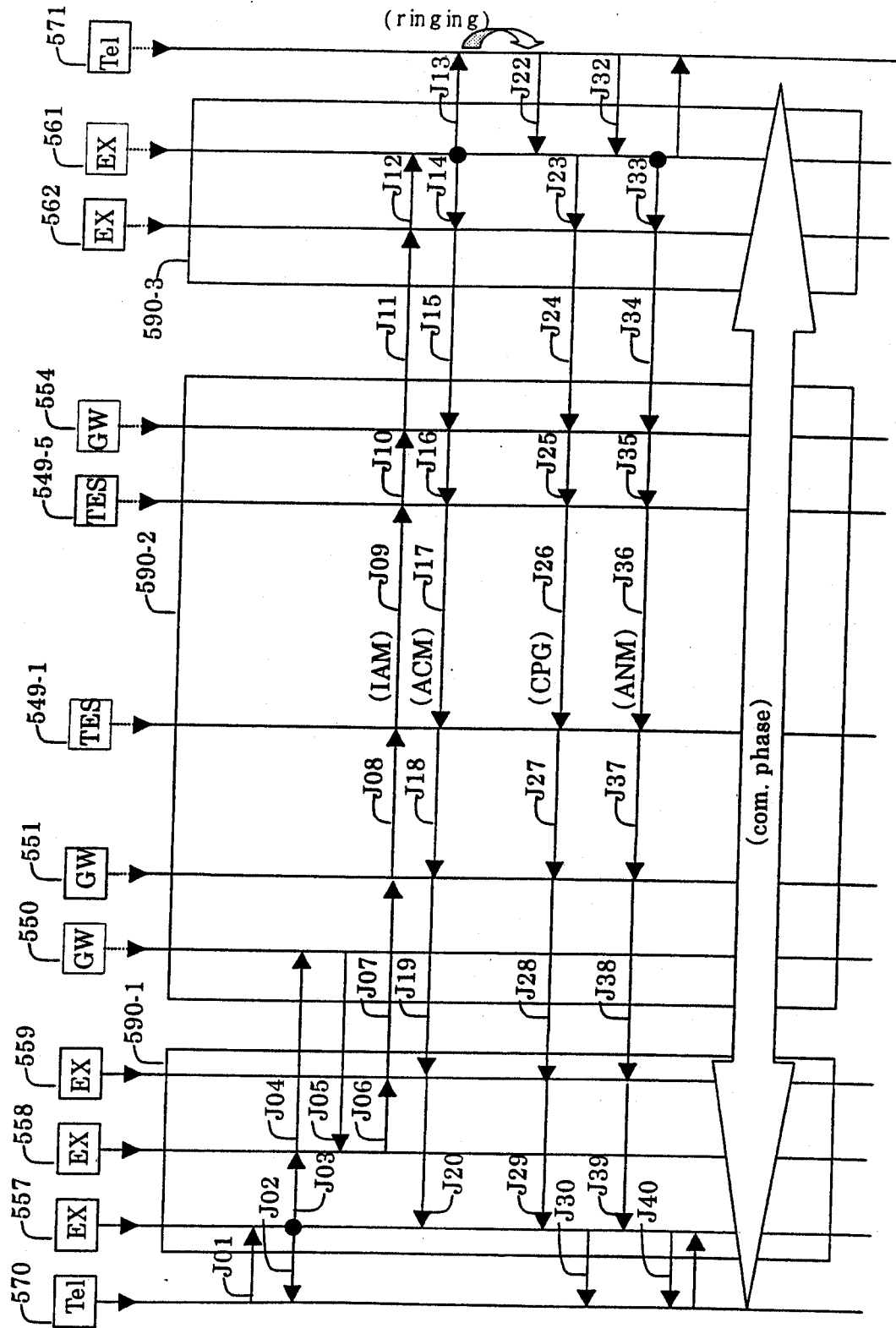
FIG.204

586

Range of Sender Phone No.	Information of Output Line (IP Add. Range of Output GW/MR)
06-0000-0000~06-9999-9999	10.240.240.1~10.240.240.255
092-000-0000~092-999-9999	10.240.241.1~10.240.241.31
045-777-8880~045-777-8890	10.241.1.1 ~ 10.241.1.3
07-0000-0000~07-9999-9999	10.240.240.1~10.240.240.255
093-000-0000~093-999-9999	10.240.241.1~10.240.241.31
..	..

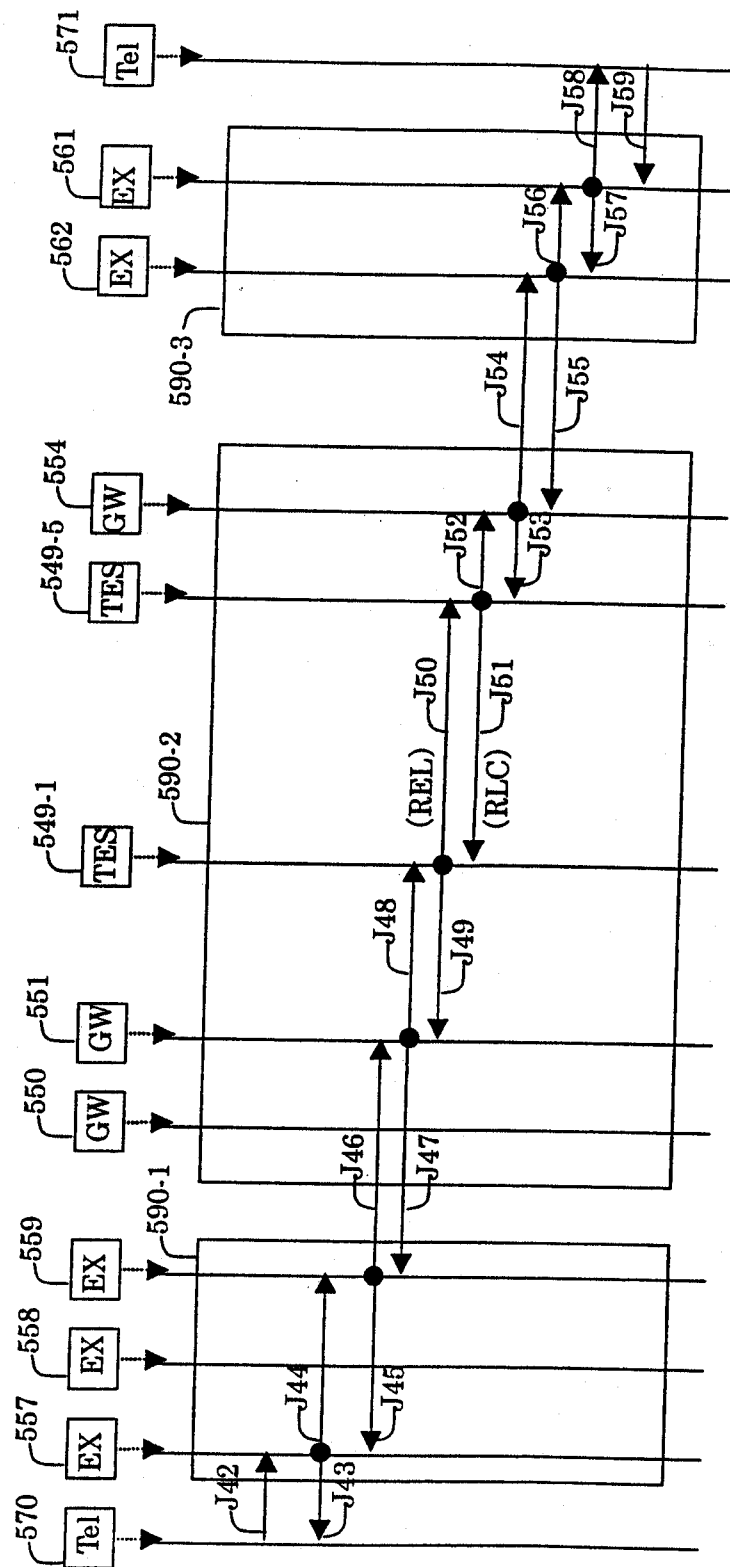
78/149

FIG. 205



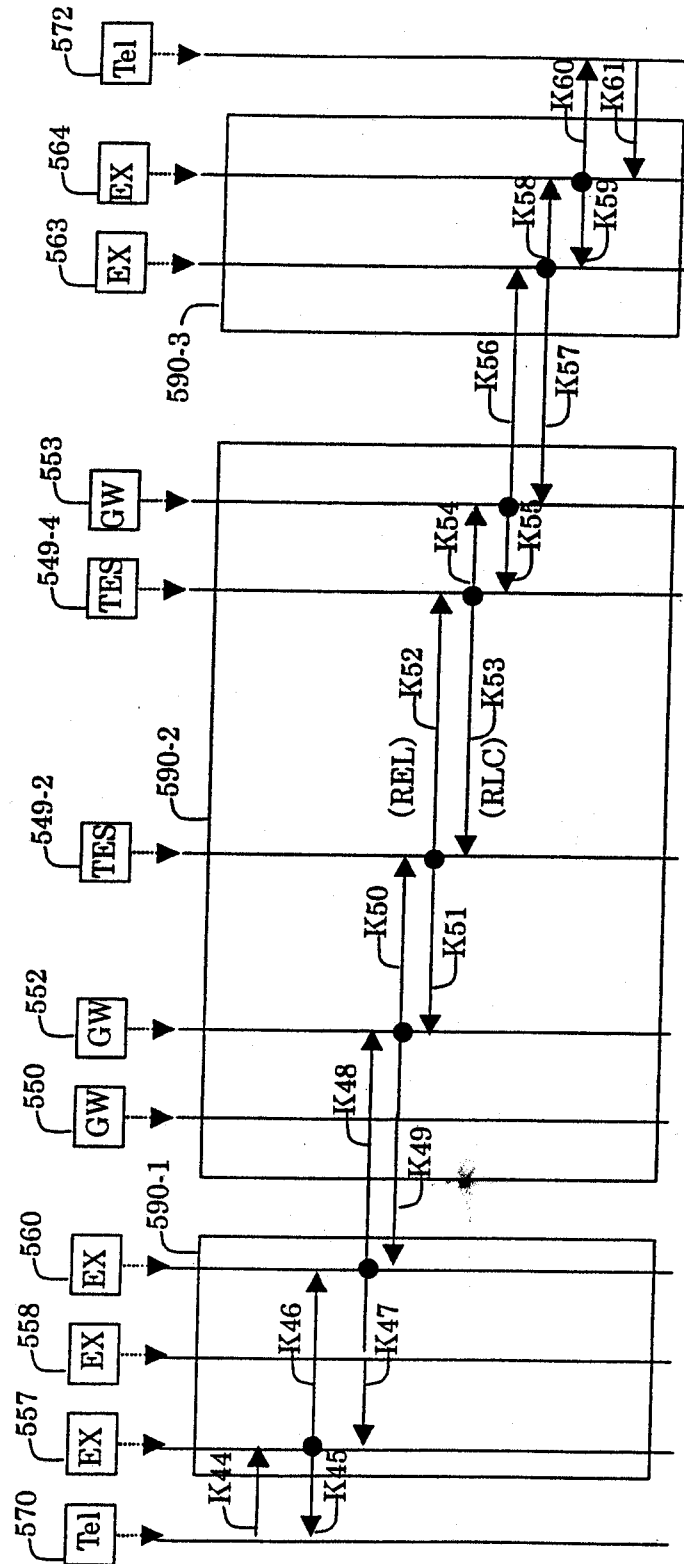
79/149

FIG. 206



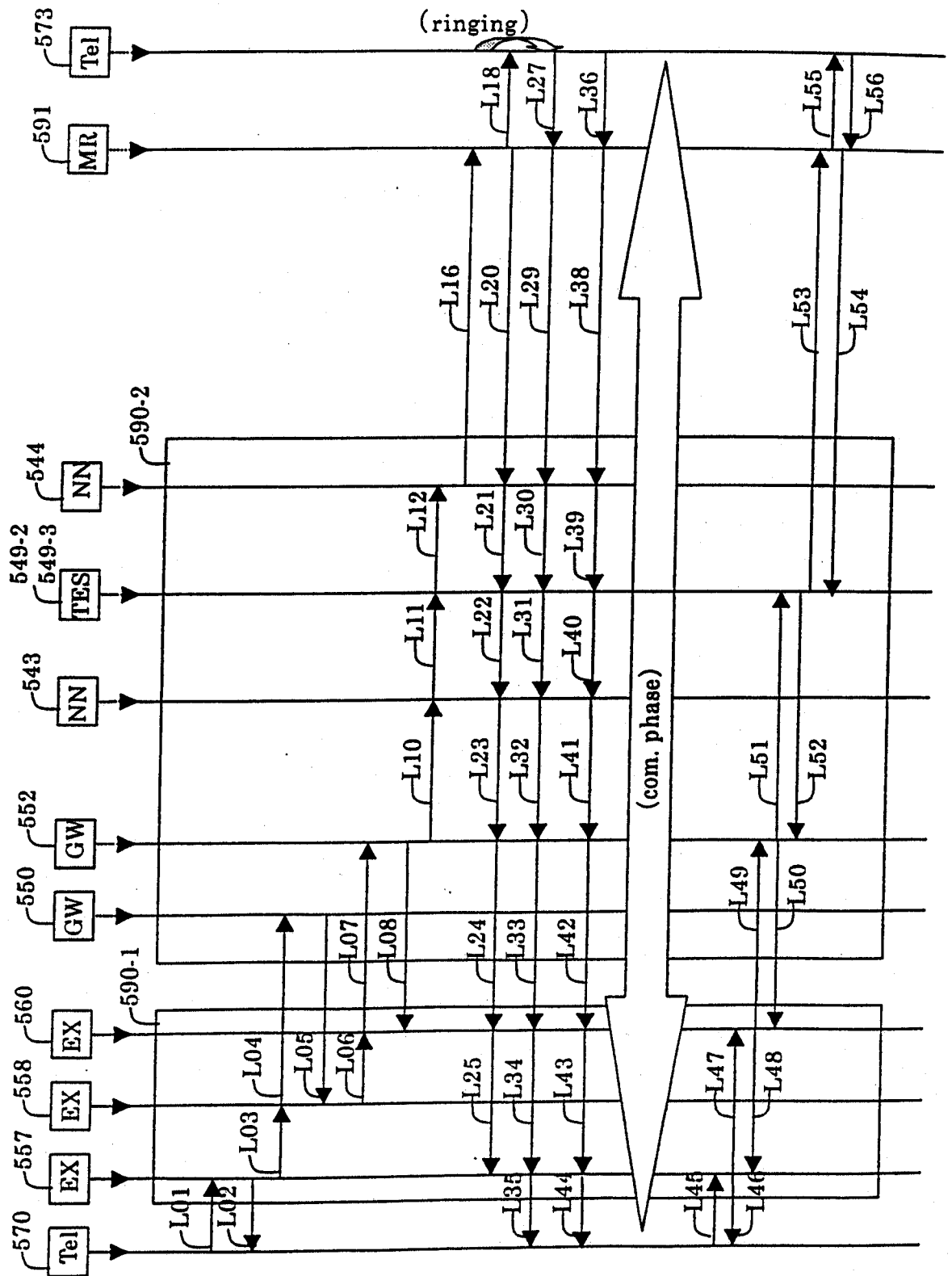
81/149

FIG. 208



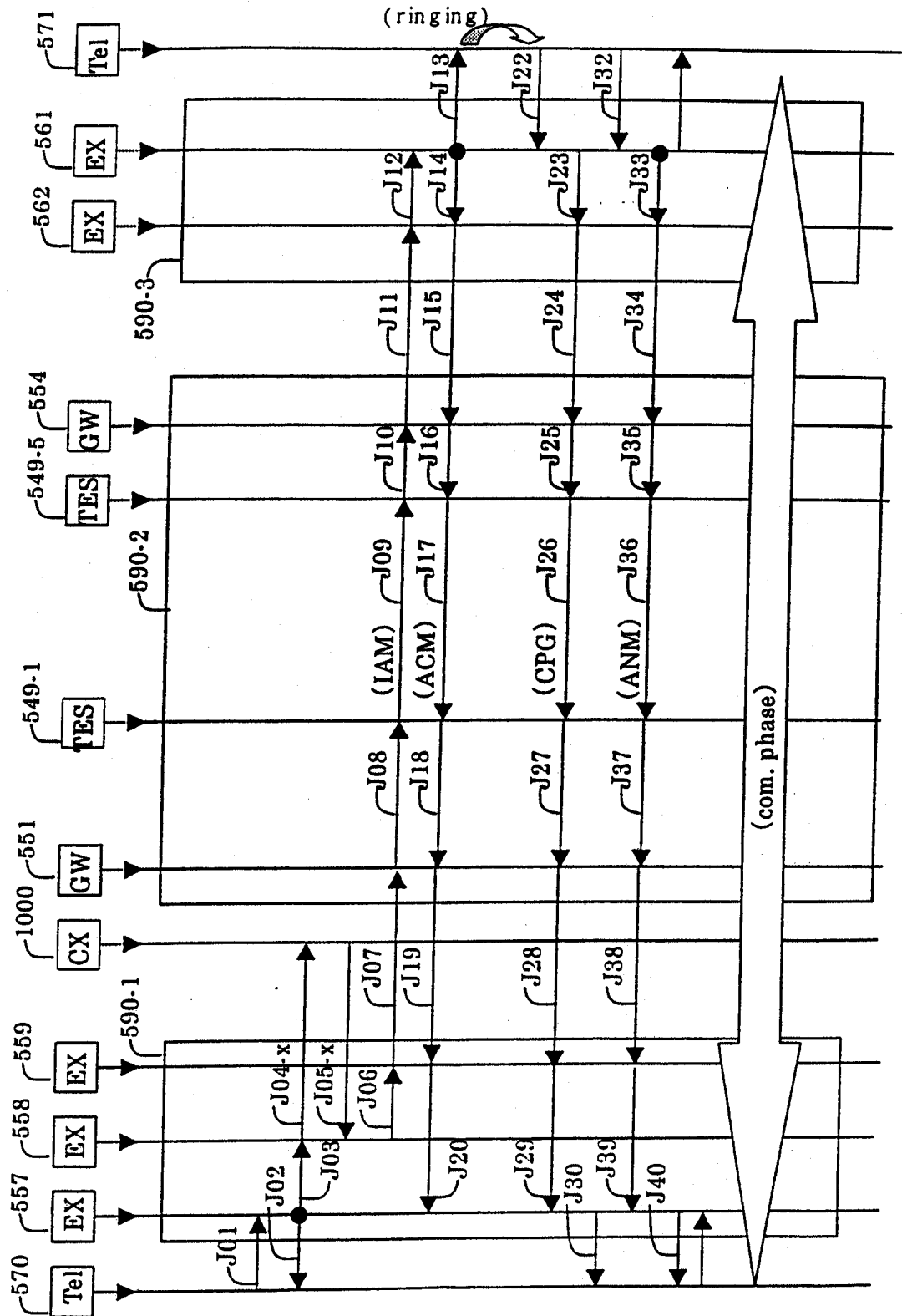
82/149

FIG. 209



84/149

FIG.211



85/149

FIG.212

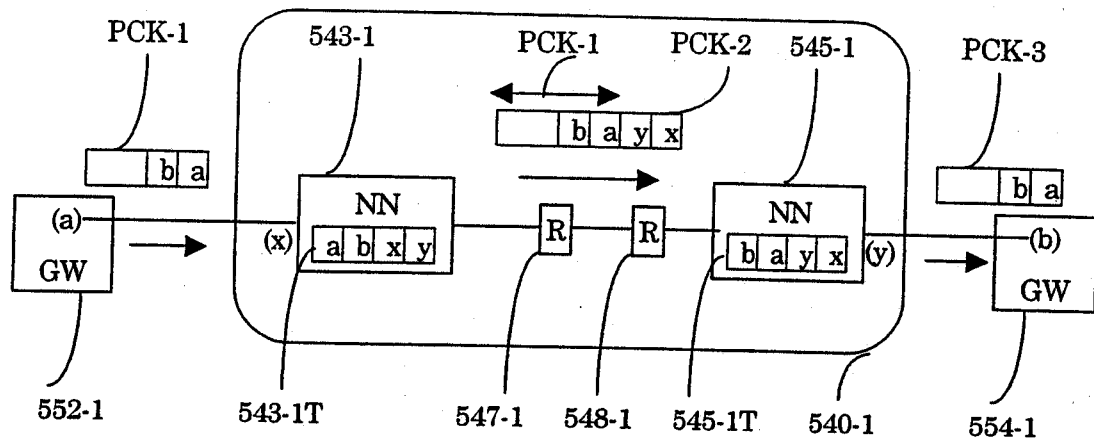
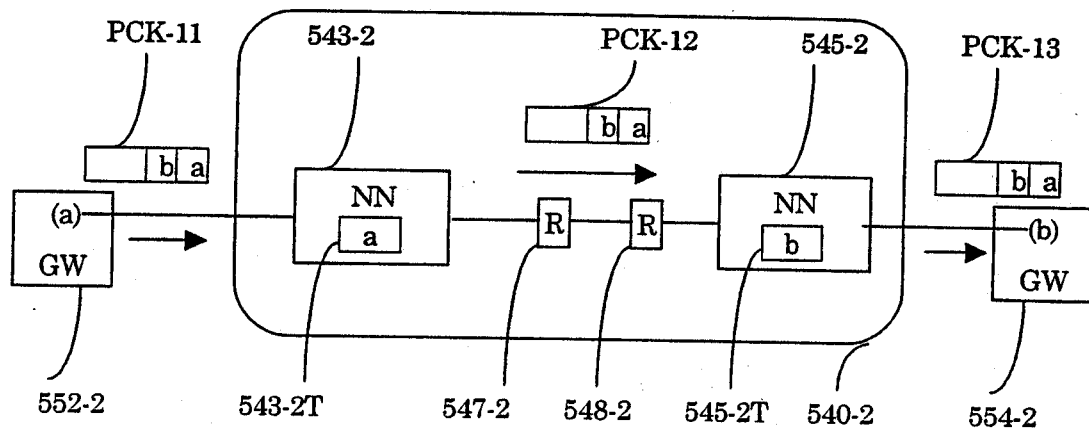
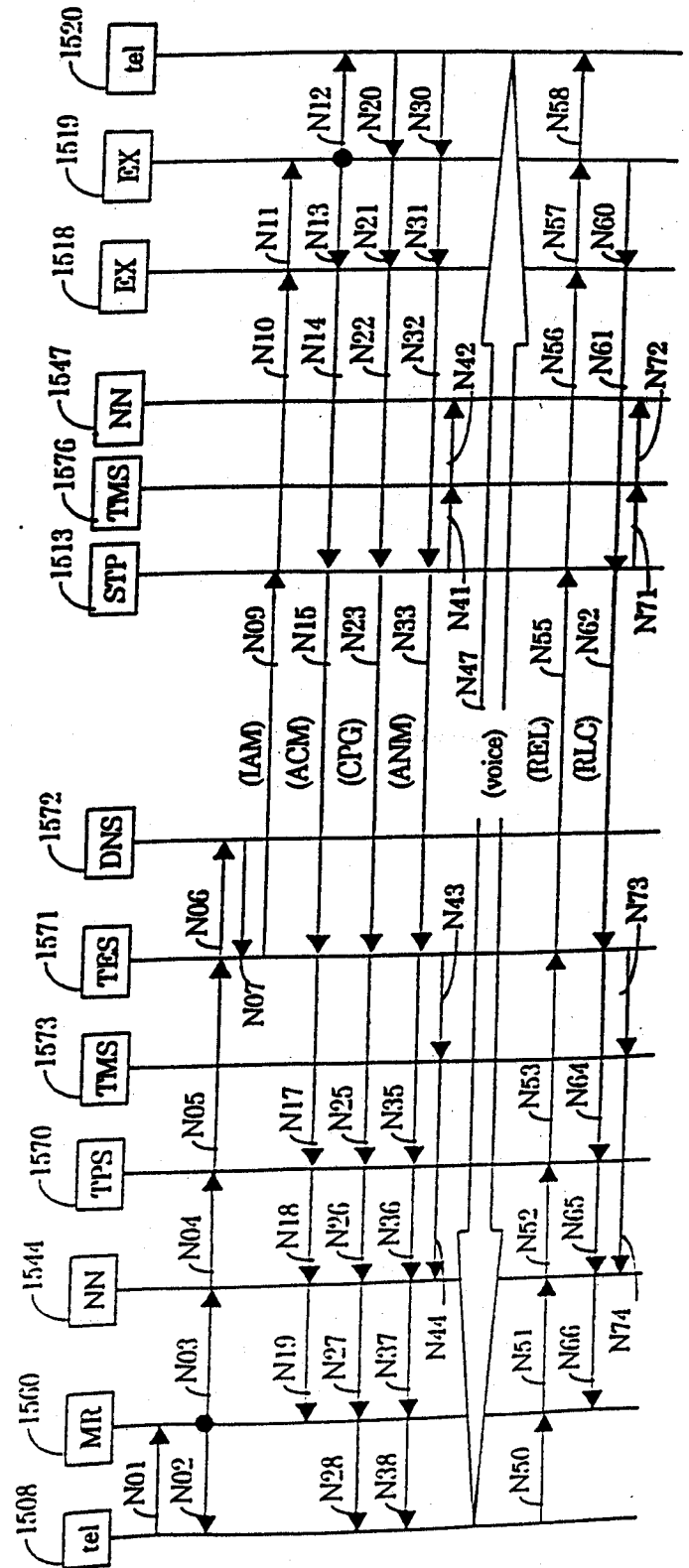
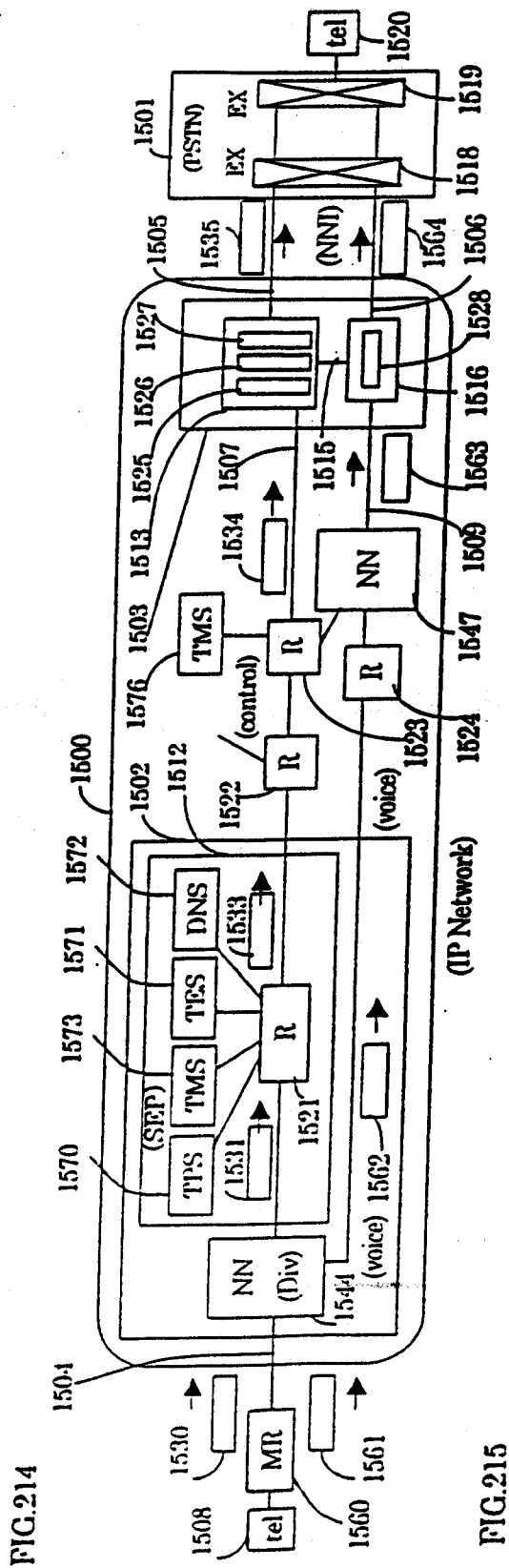


FIG.213





87/149

FIG.216

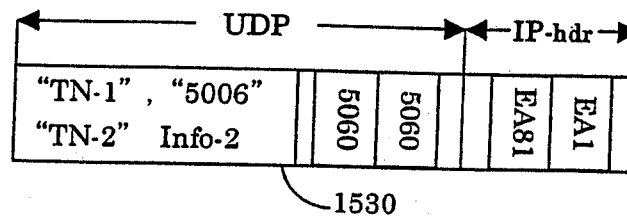


FIG.217

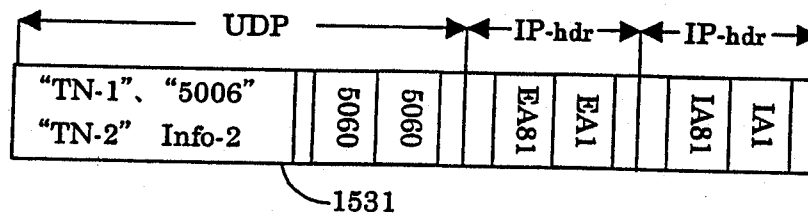


FIG.218

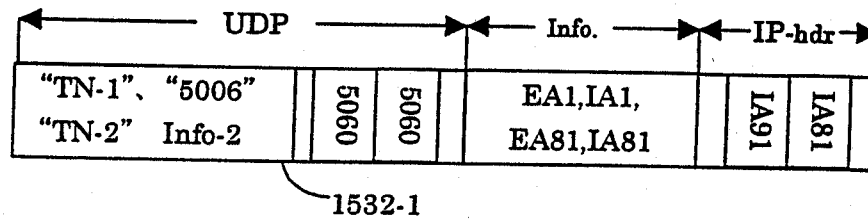


FIG.219

1571-1

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	Voice Port No.	TPS Address	Start Time	End Time
IA91		IAM	TN-1 TN-2	EA1,IA1	5006	EA81,IA 81	St2	
	..	..	..	..	..		..	..

88/149

FIG.220

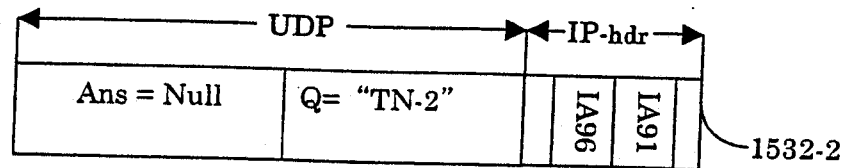


FIG.221

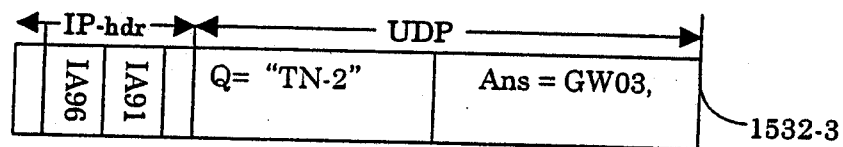


FIG.222

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	Voice Port No.	TPS Address	Start Time	End Time
IA91 GW03	CIC-2	IAM	TN-1 TN-2	EA1,IA1	5006	EA81,IA81	St2	
	..	..	..	..	..		..	..

FIG.223

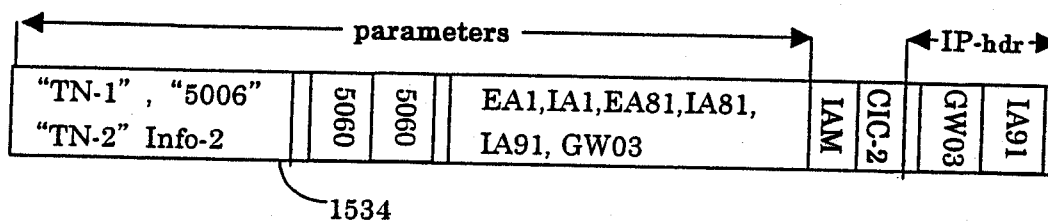


FIG.224

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	Voice Port No.	TPS Address	Start Time	End Time
IA91 GW03	CIC-2	IAM	TN-1 TN-2	EA1,IA1	5006	EA81,IA81	St3	
	..	..	..	..	..		..	..

89/149

FIG.225

Range of Receiver Phone No.	Sig. Pt. Code
02-0000-0000~06-9999-9999	#1112
09-0000-0000~09-9999-9999	#1119
(default)	#1111

hex-decimal

FIG.226

No.	PSTN1501				IPnet1500			MP-id
1	PC-3	PC-19	SLS-3	CIC-3	GW03	IA91	CIC-2	MP-7
2								

FIG.227

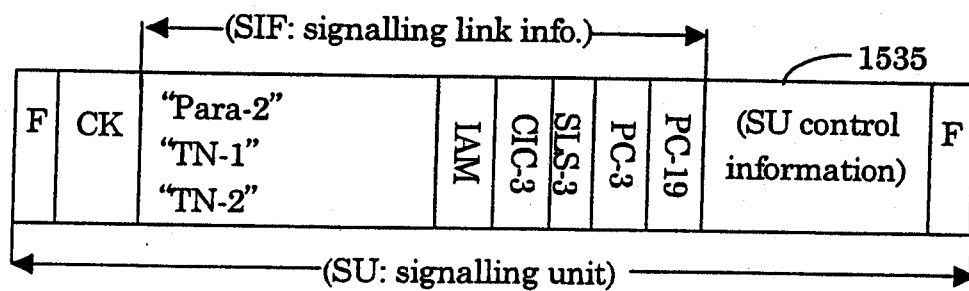


FIG.228

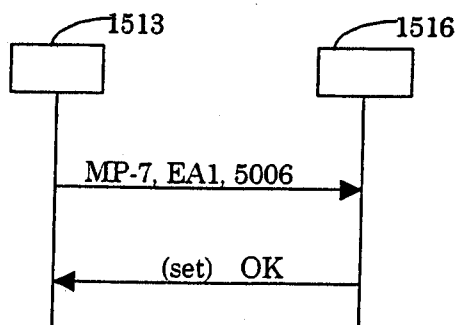
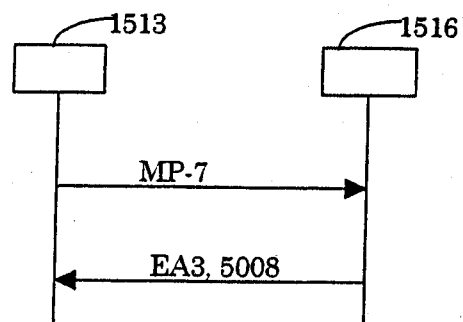


FIG.229



90/149

FIG.230

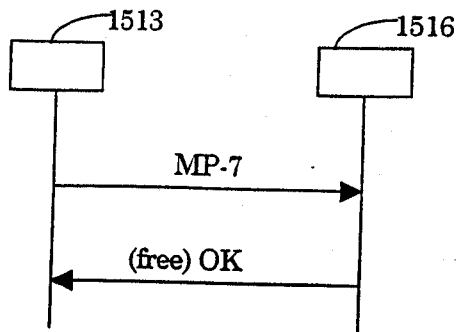


FIG.231

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
Null	—	—	—	—	—	—
..	..	..	..	..	..	..

Fig.232

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
MP-7			EA1	5006	CH-1	
..	..	..	..	..	..	..

Fig.233

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
MP-7	EA3	5008	EA1	5006	CH-1	CH-2
..	..	..	..	..	..	..

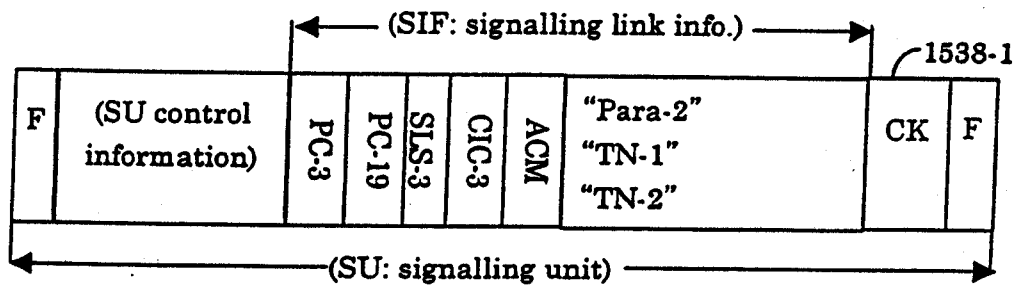
91/149

FIG.234

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	User Port No.	TPS Address	Start Time	End Time
IA91 GW03	CIC-2	IAM	TN-1 TN-2	EA1,IA1 EA3,IA3	5006 5008	EA81,IA81	St3	
	..	..	..	..	..		..	..

1513-2

FIG.235



92/149

FIG.236

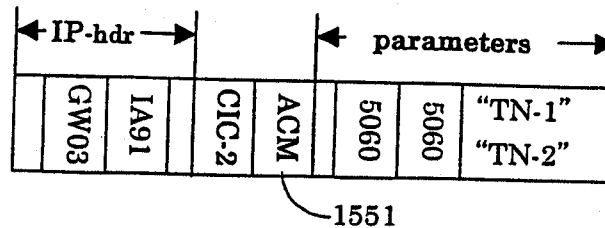


FIG.237

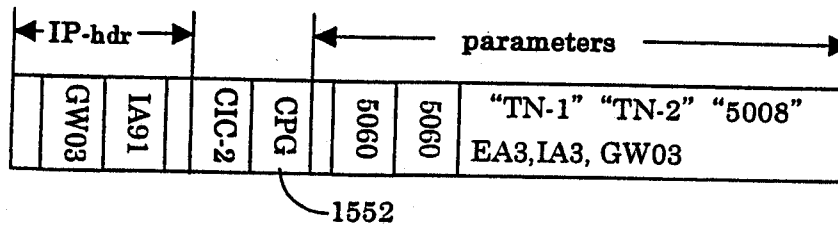


FIG.238

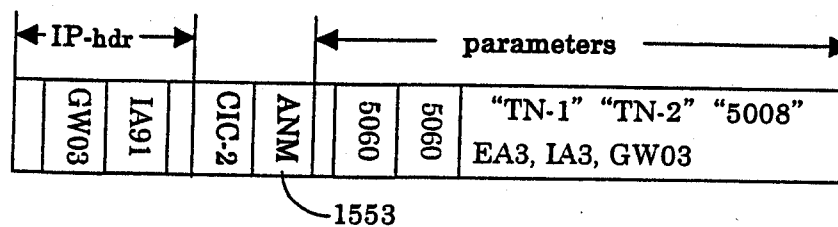


FIG.239

1513-3

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	User Port No.	TPS Address	Start Time	End Time
IA91 GW03	CIC- 2	ANM	TN-1 TN-2	EA1,IA1 EA3,IA3	5006 5008	EA81,IA81	St3	
	..	..	..	..	..		..	..

93/149

FIG.240

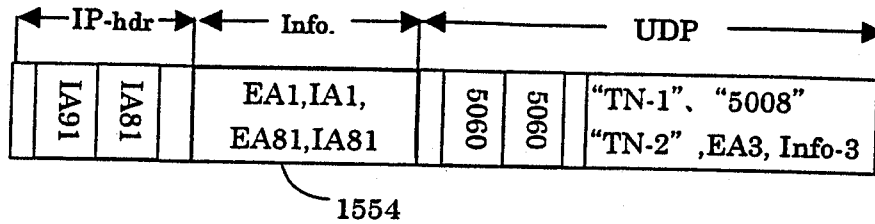


FIG.241

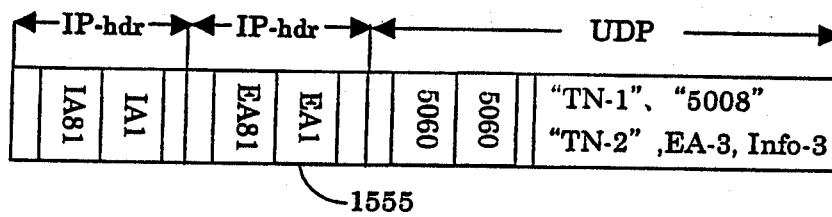
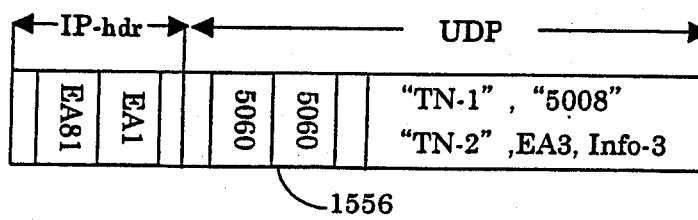


FIG.242



94/149

FIG.243

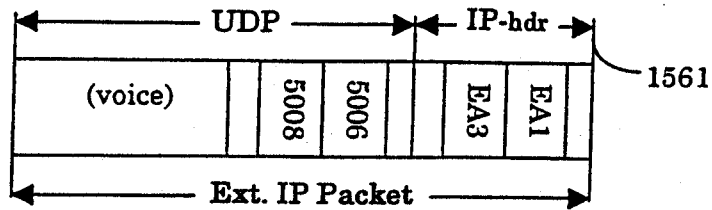
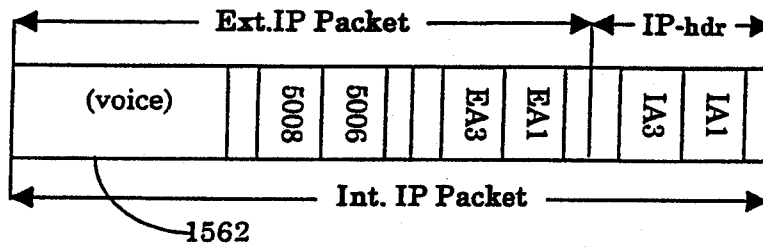


FIG.244



95/149

FIG.245

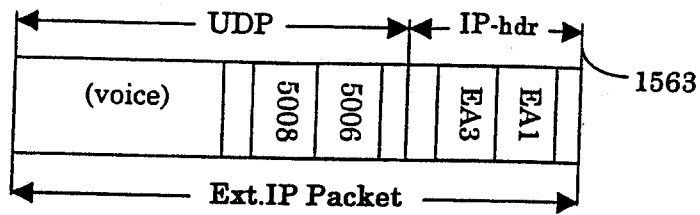


FIG.246

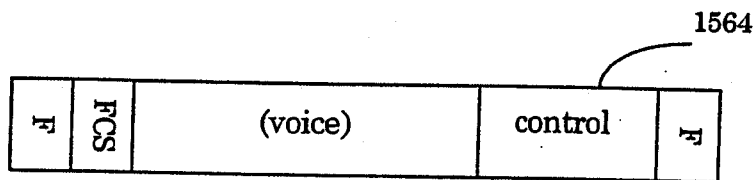


FIG.247

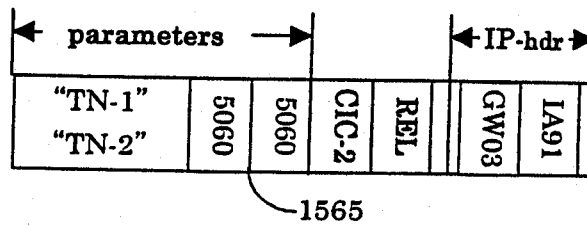
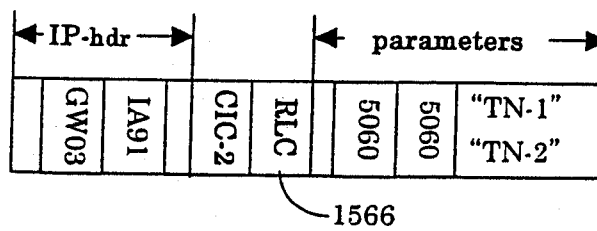
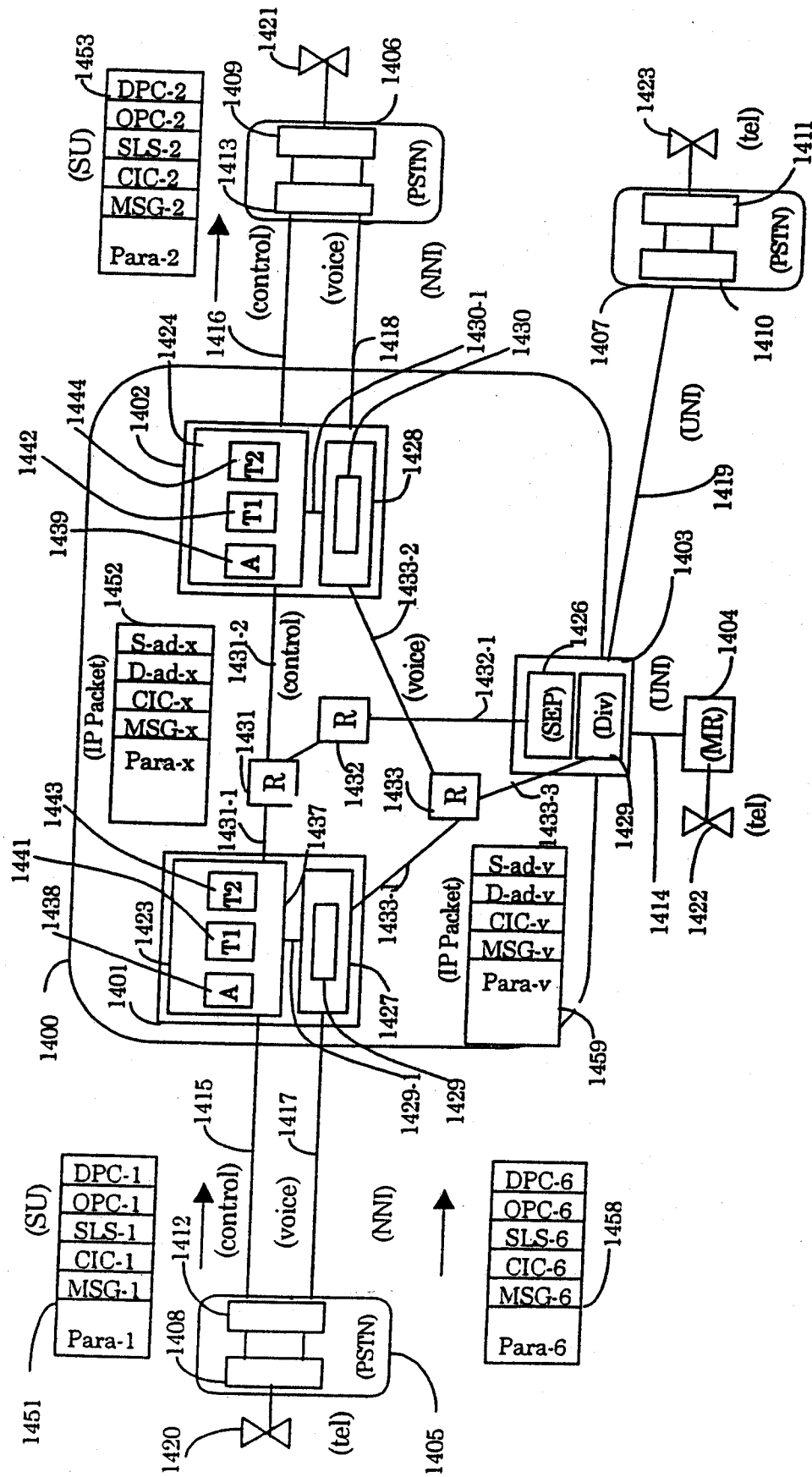


FIG.248



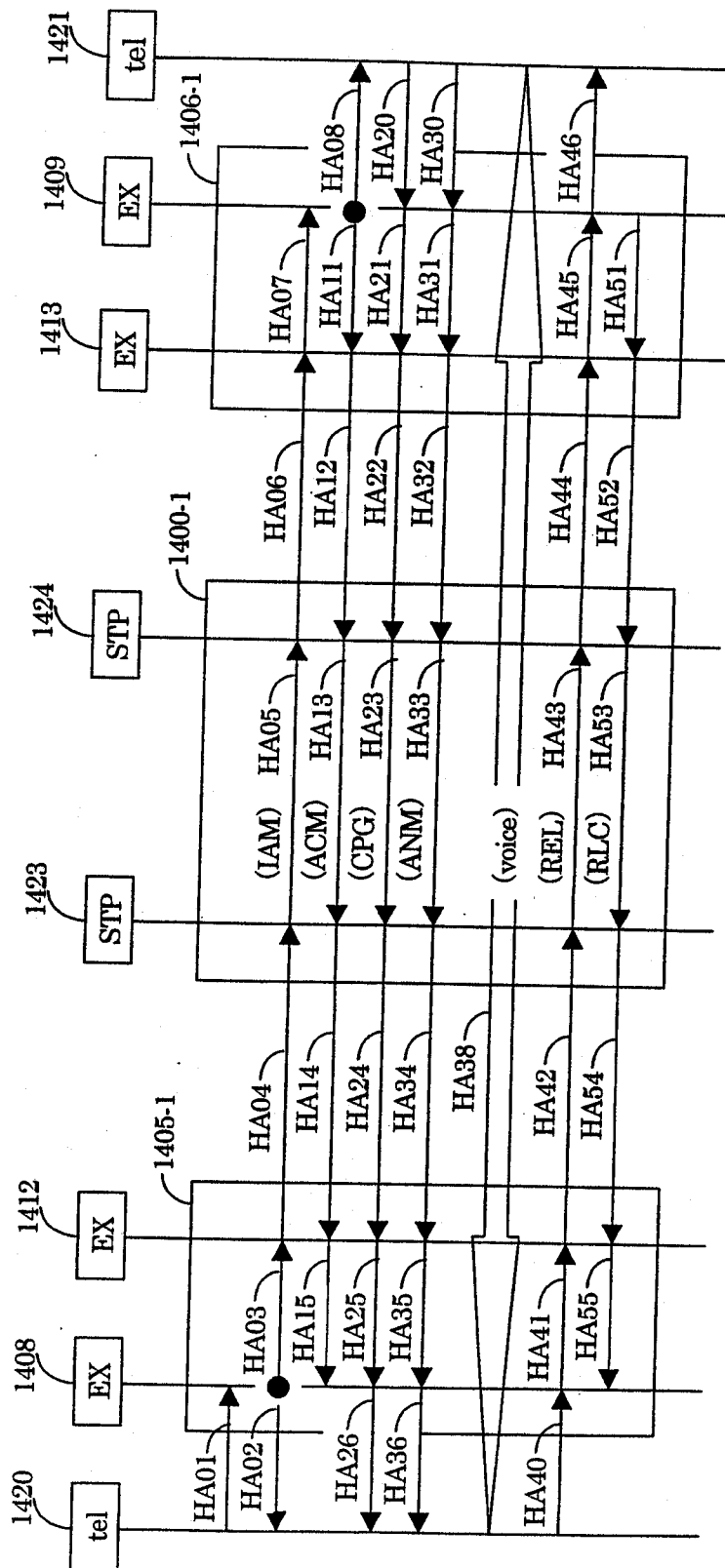
96/149

FIG.249



97/149

FIG. 250



98/149

FIG.251

1441-1

Range of Receiver Phone No.	Range of IP Address
06-0000-0000~06-9999-9999	10.240.240.1~10.240.240.2
092-000-0000~092-999-9999	10.240.241.1~10.240.241.1
045-777-8880~045-777-8890	10.241.1.1 ~ 10.241.1.3
(default)	10.242.1.1

FIG.252

1441-2

Range of Receiver Phone No.	Sig. Pt. Code
06-0000-0000~06-9999-9999	#1111
092-000-0000~092-999-9999	#1122
045-777-8880~045-777-8890	#3344
(default)	#1113

hex-decimal

99/149

FIG.253

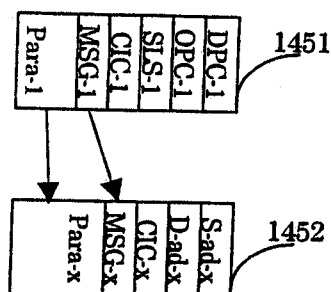


FIG.254

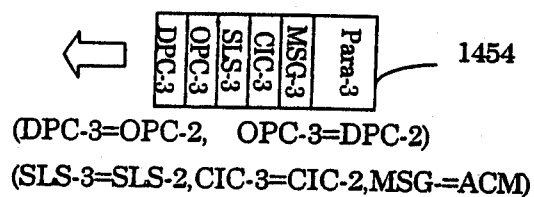


FIG.255

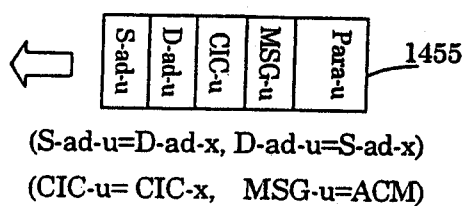
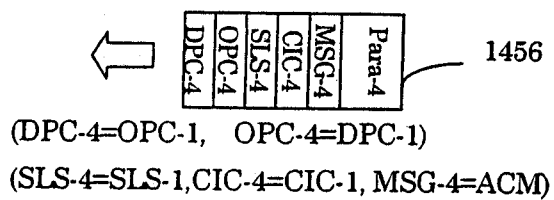


FIG.256



100/149

FIG.257

1423-1

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	User Port No.	TPS Address	Start Time	End time
GW05	CIC-2	IAM	TN-1 TN-2	EA5,IA5	5010		St5	
	..	..	..	..	..		..	..

FIG.258

1424-1

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	User Port No.	TPS Address	Start Time	End Time
GW06 GW05	CIC-2	ANM	TN-1 TN-2	EA5,IA5	5010		St6	
	..	..	..	..	..		..	..

FIG.259

1424-2

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	User Port No.	TPS Address	Start Time	End Time
GW06 GW05	CIC-2	CPG	TN-1 TN-2	EA6,IA6 EA5,IA5	5012 5010		St6	
	..	..	..	..	..		..	..

FIG.260

1423-2

Adr. for Call Control	CIC No.	Step	Phone No.	Address for User	User Port No.	TPS Address	Start Time	End Time
GW05 GW06	CIC-2	CPG	TN-1 TN-2	EA5,IA5 EA6,IA6	5010 5012		St5	
	..	..	..	..	..		..	..

101/149

FIG.261

1438-1

No.	PSTN1405				IPnet1400			MP-id
1								
2								

FIG.262

1438-2

No.	PSTN1405				IPnet1400			MP-id
1	DPC-1	OPC-1	SLS-1	CIC-1	S-ad-x	D-ad-x	CIC-x	MP-8
2								

FIG.263

1439-1

No.	PSTN1406				IPnet1400			MP-id
1								
2								

FIG.264

1439-2

No.	PSTN1406				IPnet1400			MP-id
1	OPC-2	DPC-2	SLS-2	CIC-2	D-ad-x	S-ad-x	CIC-x	MP-9
2								

102/149

FIG.265

1429-1

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
MP-8	EA5	5010			CH-1	CH-2
..	..	..	..	..	..	..

FIG.266

1430-1

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
MP-9	EA6	5012	EA5	5010	CH-3	CH-4
..	..	..	..	..	..	..

FIG.267

1429-2

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
MP-8	EA5	5010	EA6	5012	CH-1	CH-2
..	..	..	..	..	..	..

103/149

FIG.268

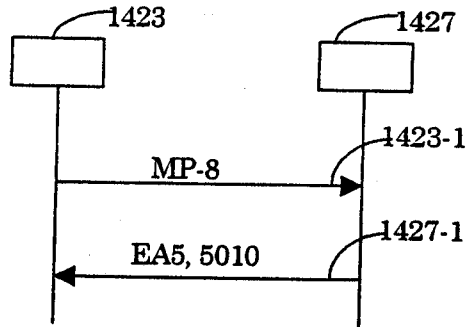


FIG.269

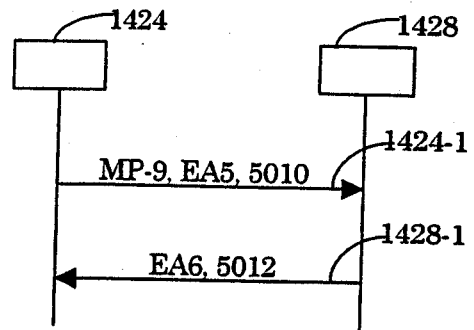


FIG.270

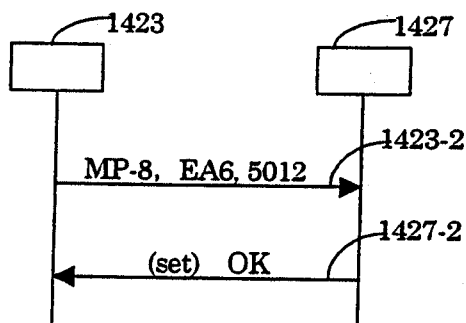


FIG.271

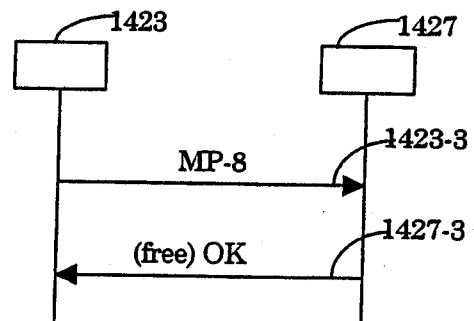
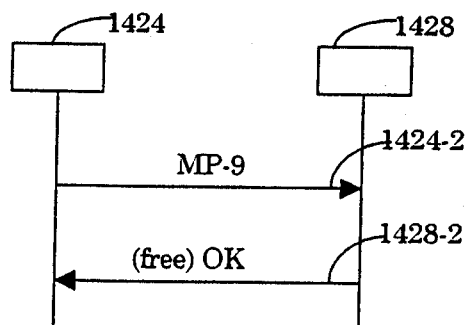
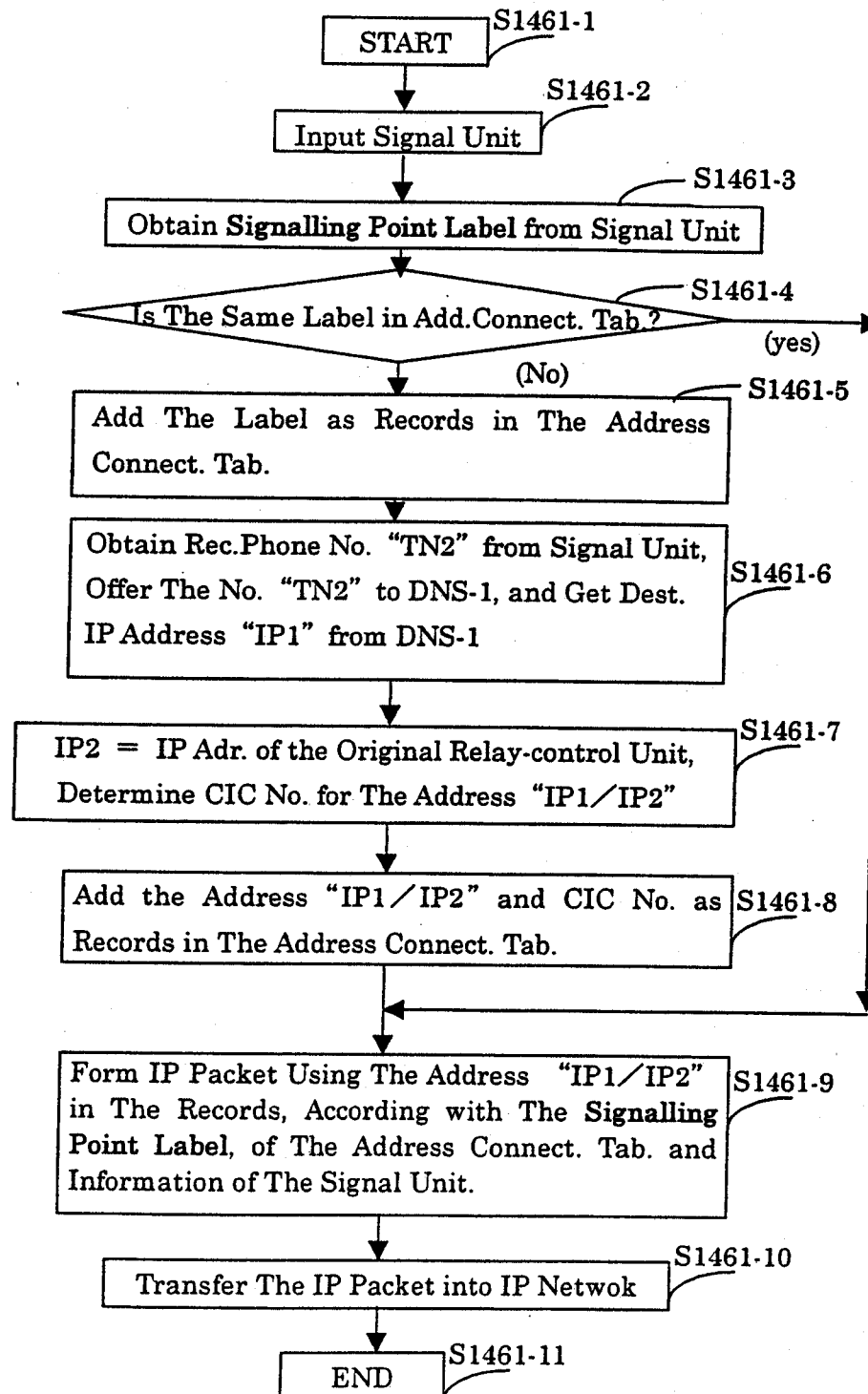


FIG.272



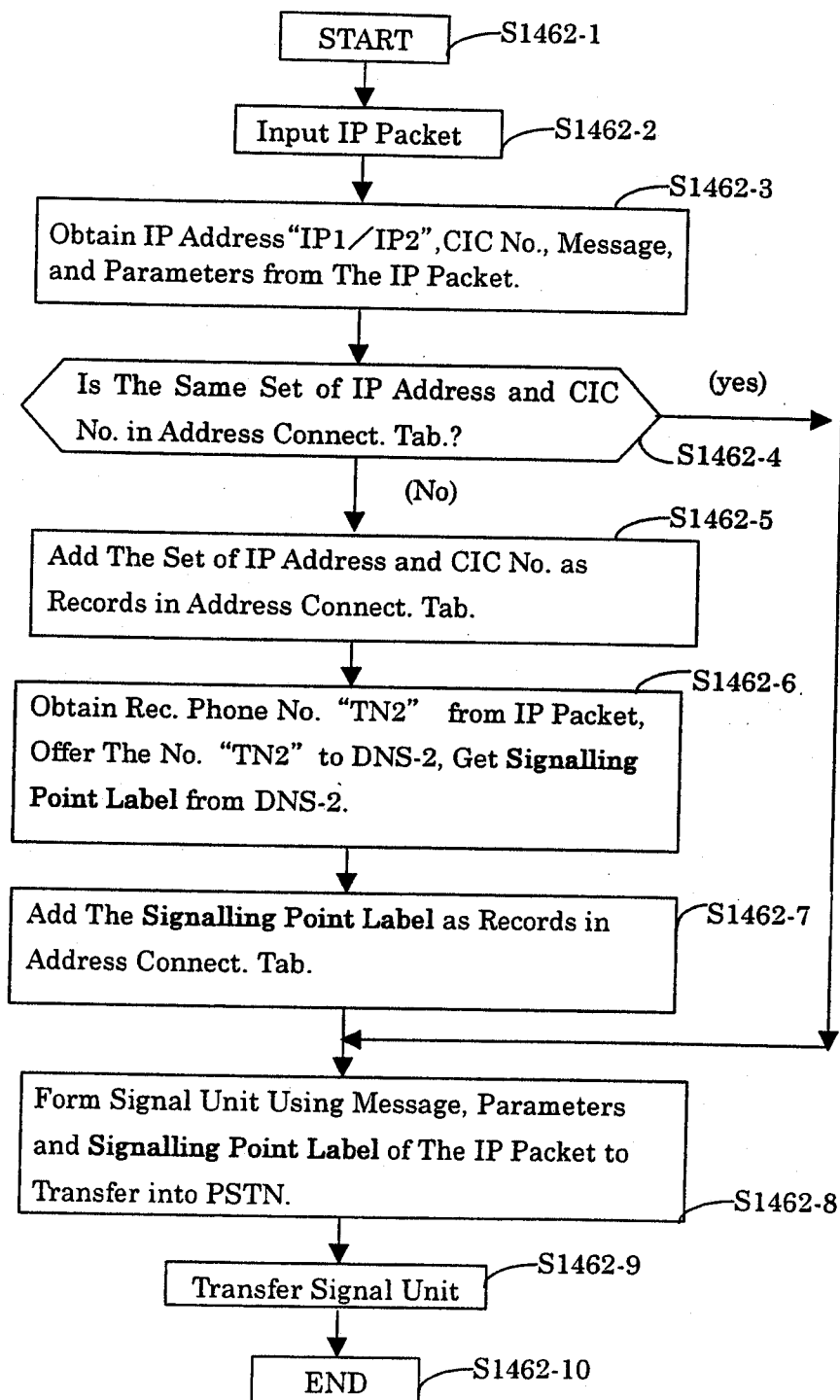
104/149

FIG.273



105/149

FIG.274



106/149

FIG.275

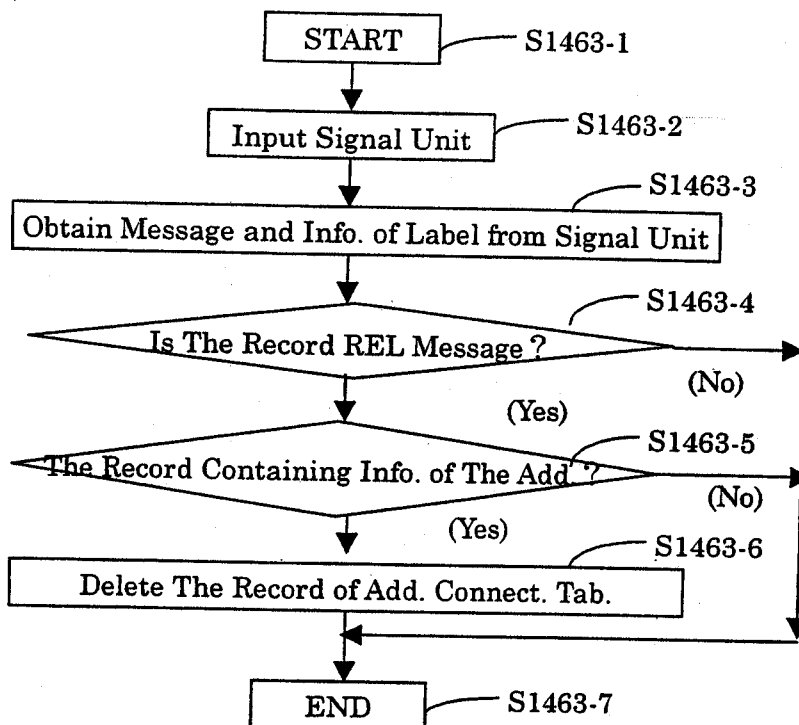
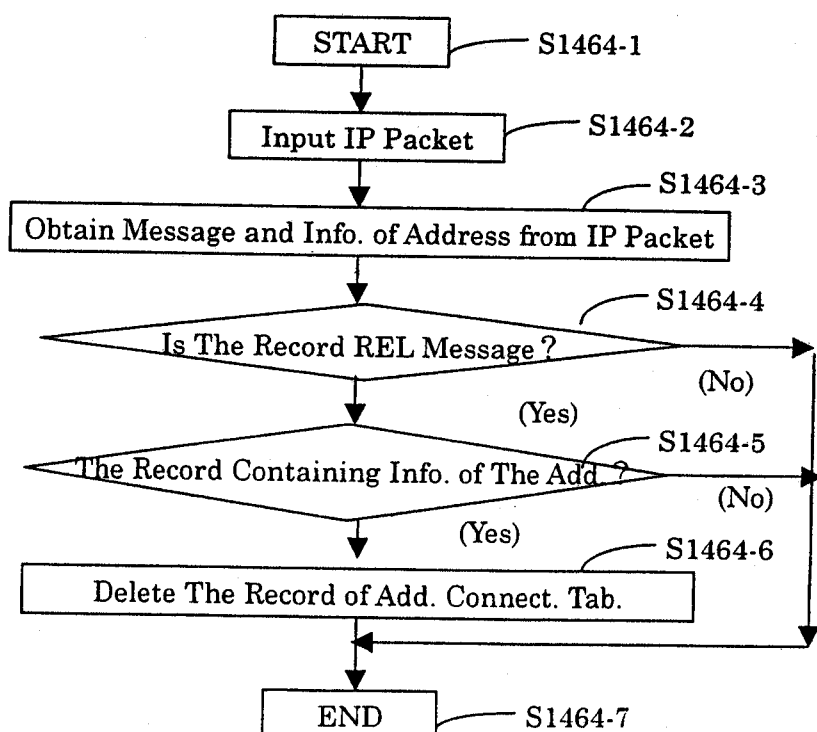


FIG.276



108/149

FIG.279

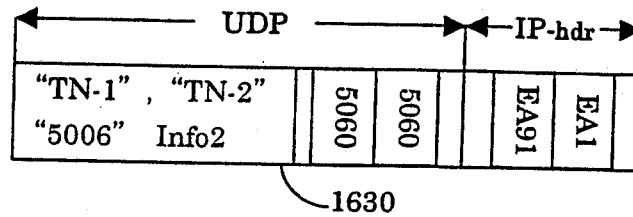


FIG.280

1620-1

Source IP address	Source Port No	Dest. IP address	Dest. Port No	Output I/F
EA 1	5060	EA91	5060	IF1612
EA 23	5060	EA91	5060	IF1612
Null				
..				

FIG.281

1671-1

Adr.for Call Control	CIC No.	Step	Phone No.	Ext. IP Address	Port No.	Start Time	End Time
IA91		IAM	TN-1 TN-2	EA1	5006	St6	
	..	..	..	..	..	..	..

109/149

FIG.282

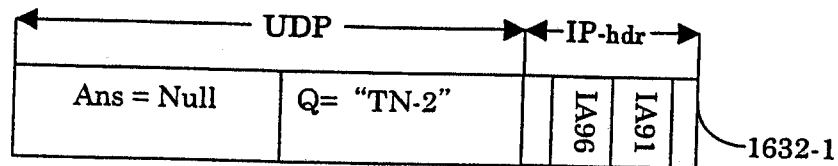


FIG.283

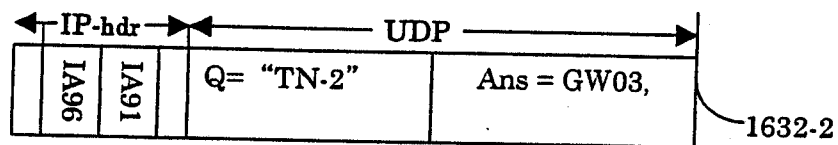


FIG.284

Adr. for Call Control	CIC No.	Step	Phone No.	Ext. IP Address	Port No.	Start Time	End Time
IA91 GW03	CIC-2	IAM	TN-1 TN-2	EA1	5006	St6	
	..	..	..	..	...	..	..

FIG.285

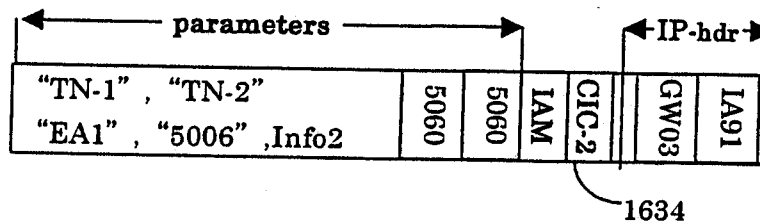


FIG.286

Adr. for Call Control	CIC No.	Step	Phone No.	Ext. IP Address	Port No.	Start Time	End Time
IA91 GW03	CIC-2	IAM	TN-1 TN-2	EA1	5006	St7	
	..	..	..	..	..	..	..

110/149

FIG.287

1627

Range of Receiver Phone No.	Sig. Pt. Code
02-0000-0000~06-9999-9999	#1102
09-0000-0000~09-9999-9999	#1109
(default)	#1101

hex-decimal

FIG.288

1625-1

No.	PSTN1601				IPnet1600			MP-id
1	PC-3	PC-09	SLS-3	CIC-3	GW03	IA91	CIC-2	MP-7
2								

FIG.289

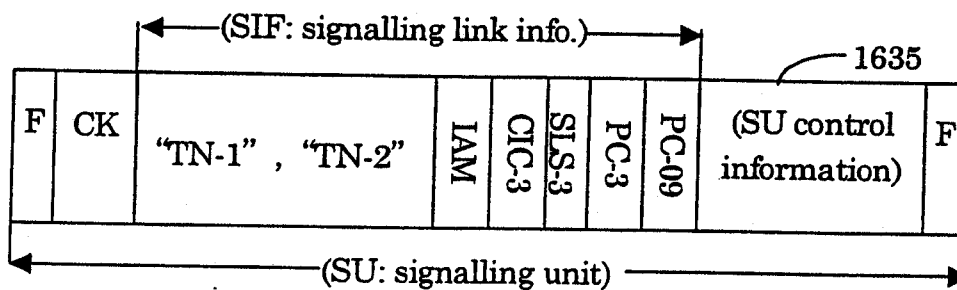


FIG.290

1628-1

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
MP-7			EA1	5006	CH-1	
..	..	..	..	..	..	..

FIG.291

1628-2

MP-id	IP-addr-d	Port-d	IP-addr-o	Port-o	Channel-S	Channel-R
MP-7	EA7	5008	EA1	5006	CH-1	CH-2
..	..	..	..	..	..	..

111/149

FIG.292

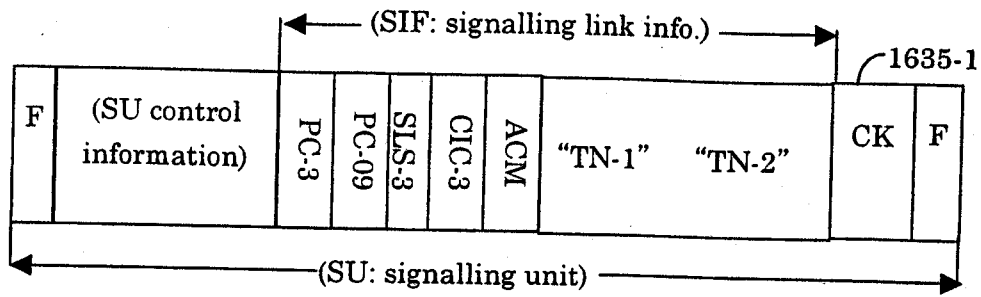


FIG.293

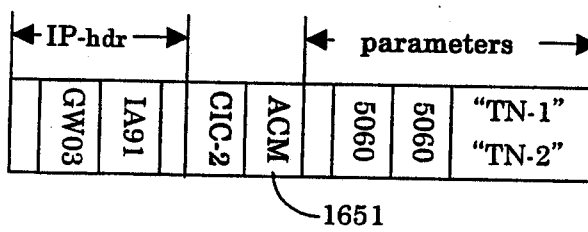


FIG.294

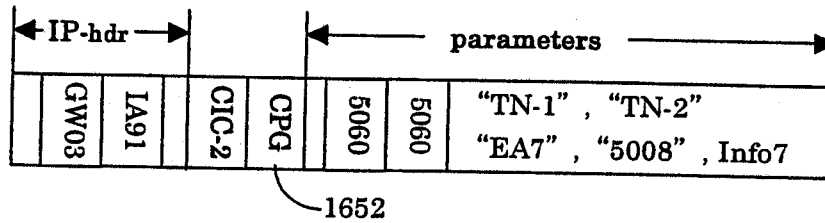


FIG.295

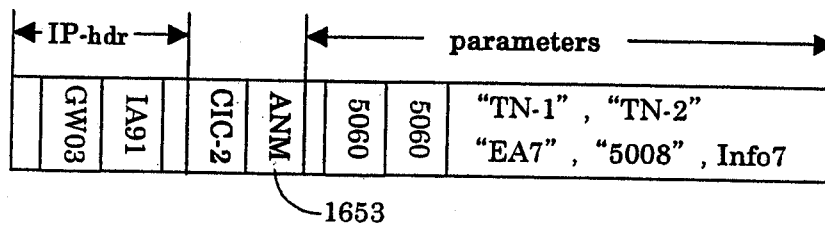


FIG.296

Adr. for Call Control	CIC No.	Step	Phone No.	Ext. IP Address	Port No.	Start Time	End Time
IA91 GW03	CIC-2	ANM	TN-1 TN-2	EA1 EA7	5006 5008	St7	
	..	..	..	..	..	..	..

1605-2

112/149

FIG.297

Adr. for Call Control	CIC No.	Step	Phone No.	Ext. IP Address	Port No.	Start Time	End Time
IA91 GW03	CIC-2	ANM	TN-1 TN-2	EA1 EA7	5006 5008	St6	
	..	..	..	..	..	..	..

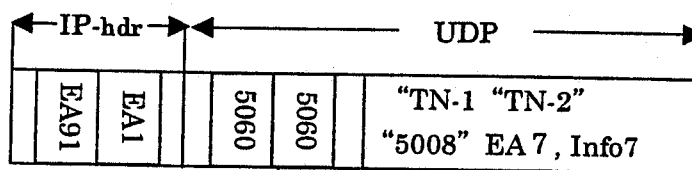
1671-3

FIG.298

Source IP address	Source Port No	Dest. IP address	Dest. Port No	Output I/F
EA1	5060	EA91	5060	IF1612
EA23	5060	EA91	5060	IF1612
EA1	5006	EA7	5008	IF1614
Null				
..				

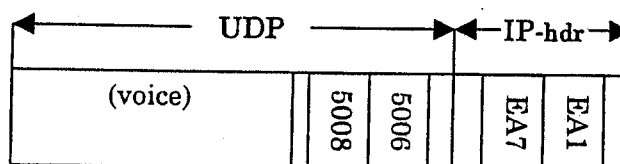
1620-2

FIG.299



1656

FIG.300



1661

113/149

FIG.301

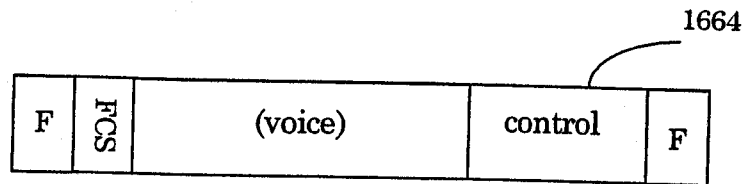


FIG.302

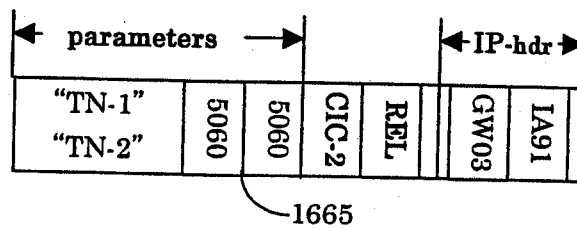


FIG.303

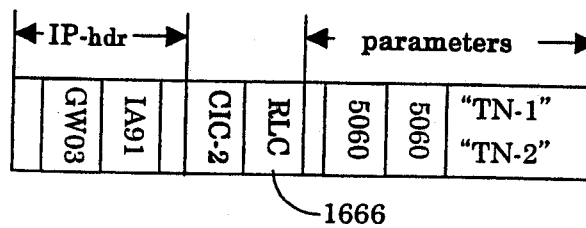


FIG.304

1620-3

Output I/F	Port No
IF1612	5060
IF1614	From 5004 to5048,
..	..

FIG.305

The diagram illustrates the signaling sequence for a three-party call. It involves the following components and their interactions:

- 1720 tel**: Telephone at the originator's end.
- 1722 MR**: Mobile Radio at the originator's end.
- 1710 SEP**: Service Exchange Point at the originator's end.
- 1711 STP**: Switching Transfer Point at the originator's end.
- 1700-1**: A block representing the network elements between the originator and the destination.
- 1712 STP**: Switching Transfer Point at the destination's end.
- 1713 SEP**: Service Exchange Point at the destination's end.
- 1723 MR**: Mobile Radio at the destination's end.
- 1721 tel**: Telephone at the destination's end.

The signaling sequence is as follows:

- 1720 tel** sends **E01** to **1722 MR**.
- 1722 MR** sends **E02** to **1710 SEP**.
- 1710 SEP** sends **E03** to **1711 STP**.
- 1711 STP** sends **E04** to **1700-1**.
- 1700-1** sends **E05** to **1712 STP**.
- 1712 STP** sends **E06** to **1713 SEP**.
- 1713 SEP** sends **E07** to **1723 MR**.
- 1723 MR** sends **E08** to **1721 tel**.
- 1721 tel** sends **E09** to **1723 MR**.
- 1723 MR** sends **E10** to **1713 SEP**.
- 1713 SEP** sends **E11** to **1712 STP**.
- 1712 STP** sends **E12** to **1700-1**.
- 1700-1** sends **E13** to **1711 STP**.
- 1711 STP** sends **E14** to **1710 SEP**.
- 1710 SEP** sends **E15** to **1711 STP**.
- 1711 STP** sends **E16** to **1700-1**.
- 1700-1** sends **E17** to **1712 STP**.
- 1712 STP** sends **E18** to **1713 SEP**.
- 1713 SEP** sends **E19** to **1723 MR**.
- 1723 MR** sends **E20** to **1721 tel**.
- 1721 tel** sends **E21** to **1723 MR**.
- 1723 MR** sends **E22** to **1713 SEP**.
- 1713 SEP** sends **E23** to **1712 STP**.
- 1712 STP** sends **E24** to **1700-1**.
- 1700-1** sends **E25** to **1711 STP**.
- 1711 STP** sends **E26** to **1710 SEP**.
- 1710 SEP** sends **E27** to **1711 STP**.
- 1711 STP** sends **E28** to **1700-1**.
- 1700-1** sends **E29** to **1712 STP**.
- 1712 STP** sends **E30** to **1713 SEP**.
- 1713 SEP** sends **E31** to **1723 MR**.
- 1723 MR** sends **E32** to **1721 tel**.
- 1721 tel** sends **E33** to **1723 MR**.
- 1723 MR** sends **E34** to **1713 SEP**.
- 1713 SEP** sends **E35** to **1712 STP**.
- 1712 STP** sends **E36** to **1700-1**.
- 1700-1** sends **E37** to **1711 STP**.
- 1711 STP** sends **E38** to **1710 SEP**.
- 1710 SEP** sends **E39** to **1711 STP**.
- 1711 STP** sends **E40** to **1700-1**.
- 1700-1** sends **E41** to **1712 STP**.
- 1712 STP** sends **E42** to **1713 SEP**.
- 1713 SEP** sends **E43** to **1723 MR**.
- 1723 MR** sends **E44** to **1721 tel**.
- 1721 tel** sends **E45** to **1723 MR**.
- 1723 MR** sends **E46** to **1713 SEP**.
- 1713 SEP** sends **E47** to **1712 STP**.
- 1712 STP** sends **E48** to **1700-1**.
- 1700-1** sends **E49** to **1711 STP**.
- 1711 STP** sends **E50** to **1710 SEP**.
- 1710 SEP** sends **E51** to **1711 STP**.
- 1711 STP** sends **E52** to **1700-1**.
- 1700-1** sends **E53** to **1712 STP**.
- 1712 STP** sends **E54** to **1713 SEP**.
- 1713 SEP** sends **E55** to **1723 MR**.
- 1723 MR** sends **E56** to **1721 tel**.
- 1721 tel** sends **E57** to **1723 MR**.
- 1723 MR** sends **E58** to **1713 SEP**.
- 1713 SEP** sends **E59** to **1712 STP**.
- 1712 STP** sends **E60** to **1700-1**.
- 1700-1** sends **E61** to **1711 STP**.
- 1711 STP** sends **E62** to **1710 SEP**.
- 1710 SEP** sends **E63** to **1711 STP**.
- 1711 STP** sends **E64** to **1700-1**.
- 1700-1** sends **E65** to **1712 STP**.
- 1712 STP** sends **E66** to **1713 SEP**.
- 1713 SEP** sends **E67** to **1723 MR**.
- 1723 MR** sends **E68** to **1721 tel**.
- 1721 tel** sends **E69** to **1723 MR**.
- 1723 MR** sends **E70** to **1713 SEP**.
- 1713 SEP** sends **E71** to **1712 STP**.
- 1712 STP** sends **E72** to **1700-1**.
- 1700-1** sends **E73** to **1711 STP**.
- 1711 STP** sends **E74** to **1710 SEP**.
- 1710 SEP** sends **E75** to **1711 STP**.
- 1711 STP** sends **E76** to **1700-1**.
- 1700-1** sends **E77** to **1712 STP**.
- 1712 STP** sends **E78** to **1713 SEP**.
- 1713 SEP** sends **E79** to **1723 MR**.
- 1723 MR** sends **E80** to **1721 tel**.
- 1721 tel** sends **E81** to **1723 MR**.
- 1723 MR** sends **E82** to **1713 SEP**.
- 1713 SEP** sends **E83** to **1712 STP**.
- 1712 STP** sends **E84** to **1700-1**.
- 1700-1** sends **E85** to **1711 STP**.
- 1711 STP** sends **E86** to **1710 SEP**.
- 1710 SEP** sends **E87** to **1711 STP**.
- 1711 STP** sends **E88** to **1700-1**.
- 1700-1** sends **E89** to **1712 STP**.
- 1712 STP** sends **E90** to **1713 SEP**.
- 1713 SEP** sends **E91** to **1723 MR**.
- 1723 MR** sends **E92** to **1721 tel**.
- 1721 tel** sends **E93** to **1723 MR**.
- 1723 MR** sends **E94** to **1713 SEP**.
- 1713 SEP** sends **E95** to **1712 STP**.
- 1712 STP** sends **E96** to **1700-1**.
- 1700-1** sends **E97** to **1711 STP**.
- 1711 STP** sends **E98** to **1710 SEP**.
- 1710 SEP** sends **E99** to **1711 STP**.
- 1711 STP** sends **E100** to **1700-1**.
- 1700-1** sends **E101** to **1**

116/149

FIG. 307

Address for Call Control	CIC No.	Step	Phone No.	Ext. IP Address	Port No.	Start Time	End Time
D-ad-4 S-ad-4	CIC-4	LAM	TN-1 TN-2	EA1722	5014	St5	

FIG. 308

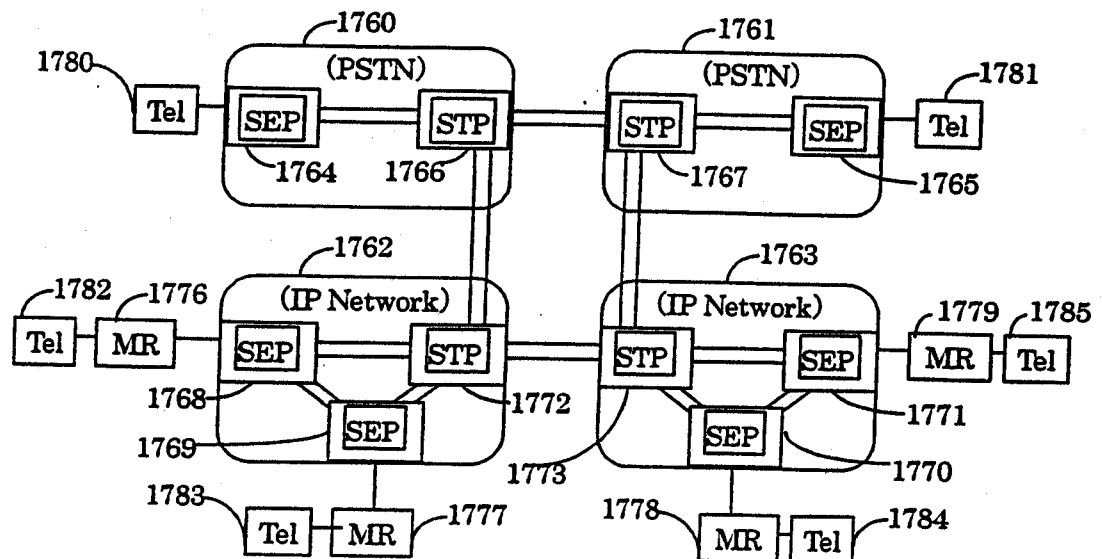
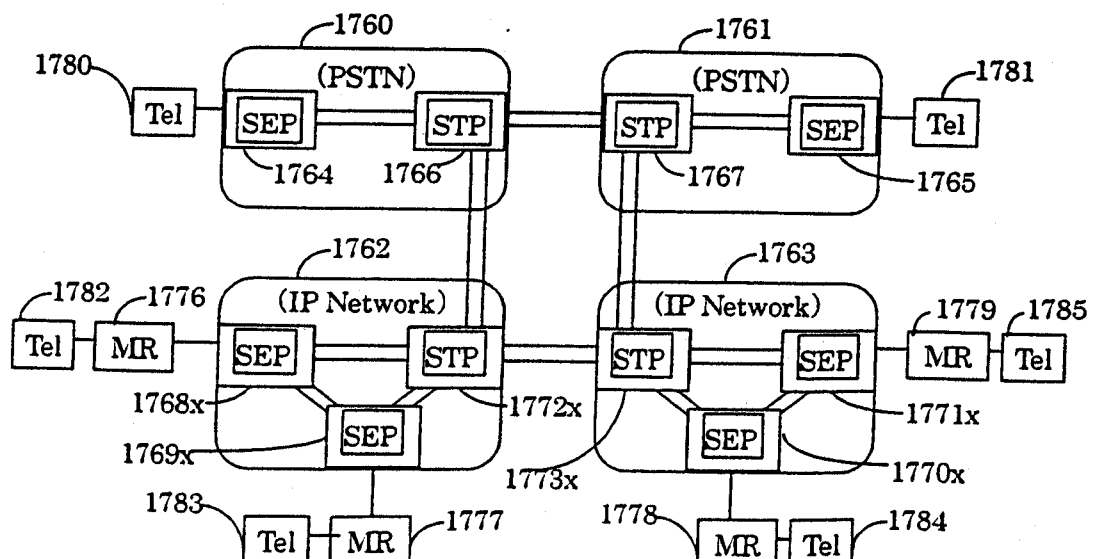
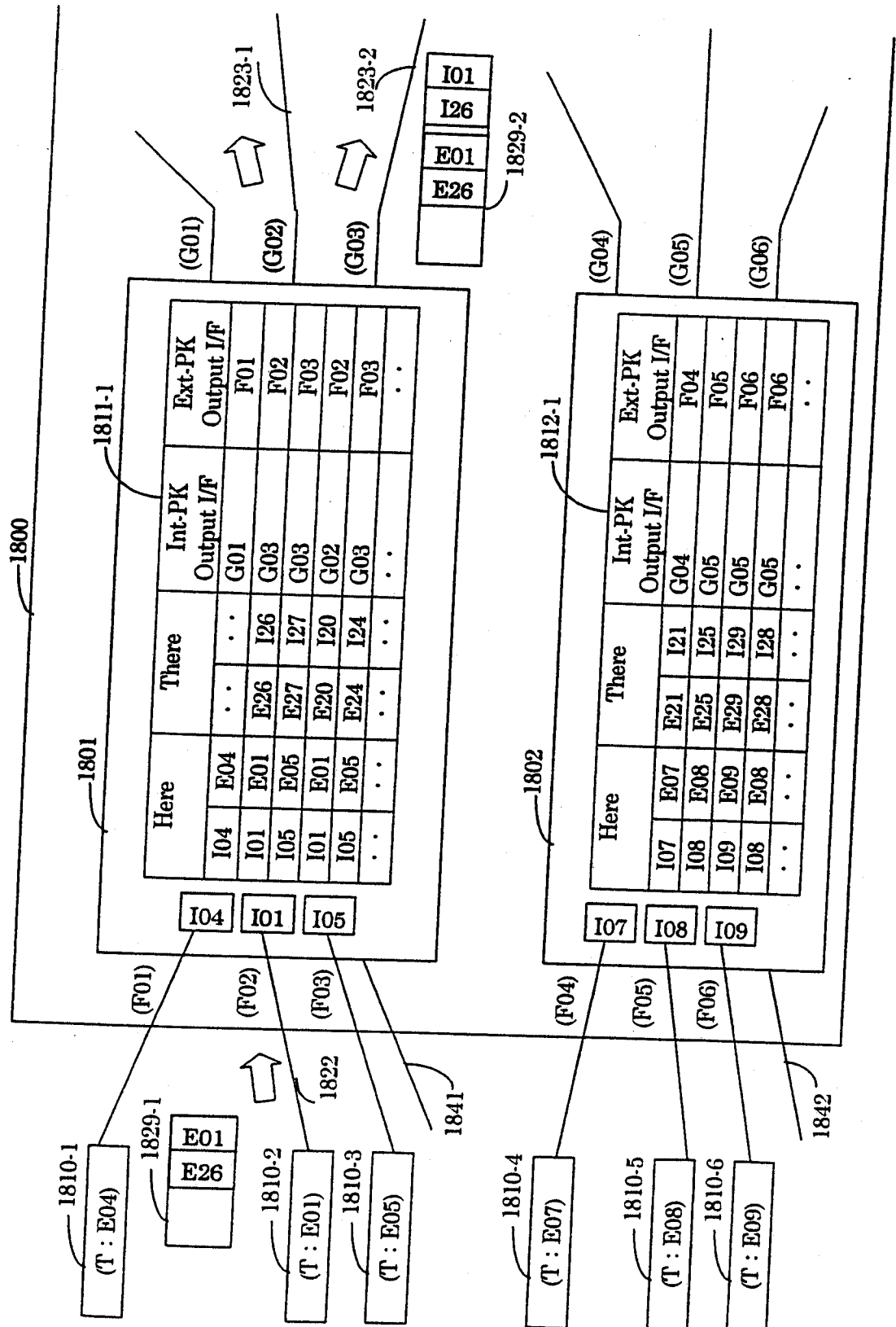


FIG. 309



117/149

FIG. 310



118/149

FIG.311

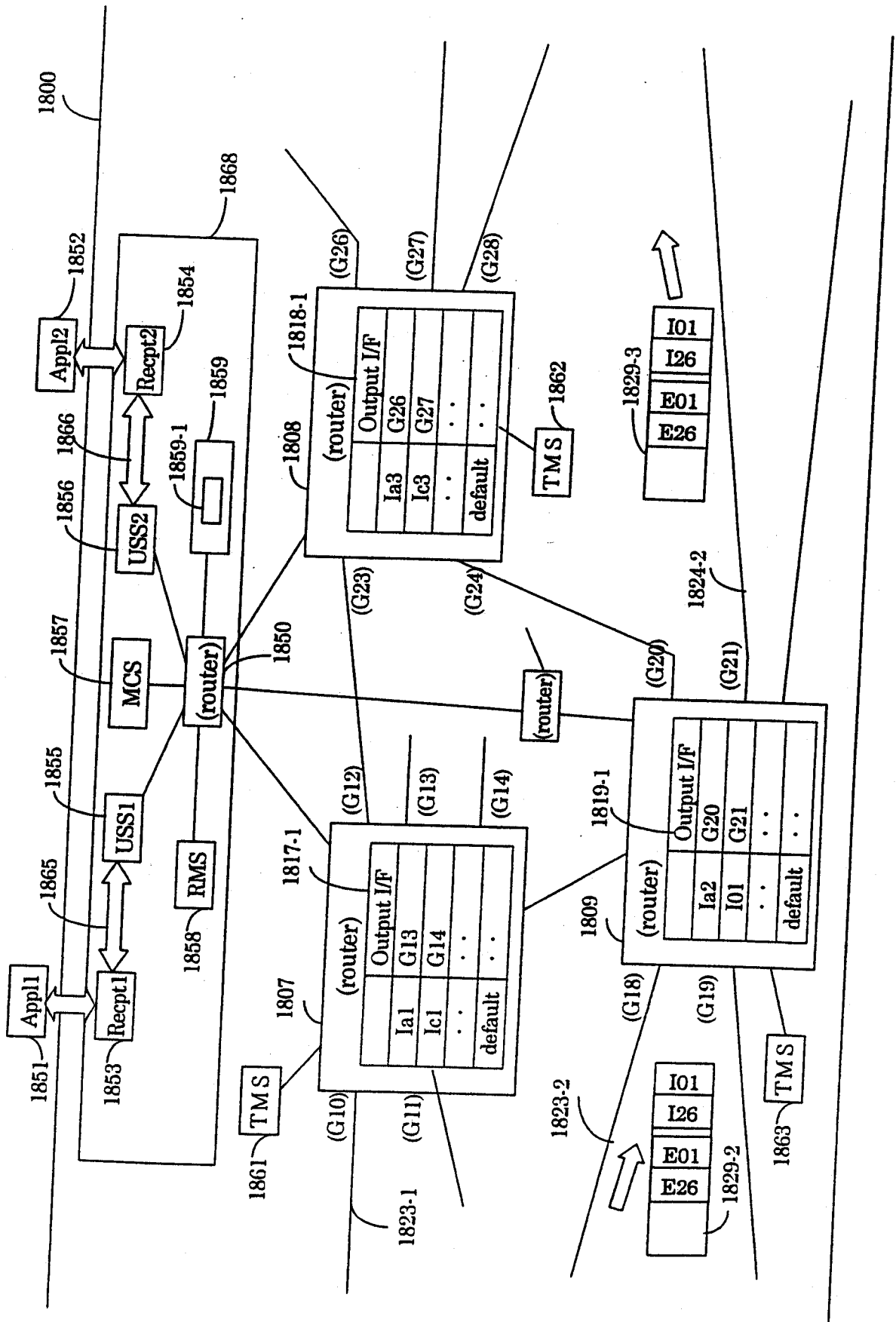
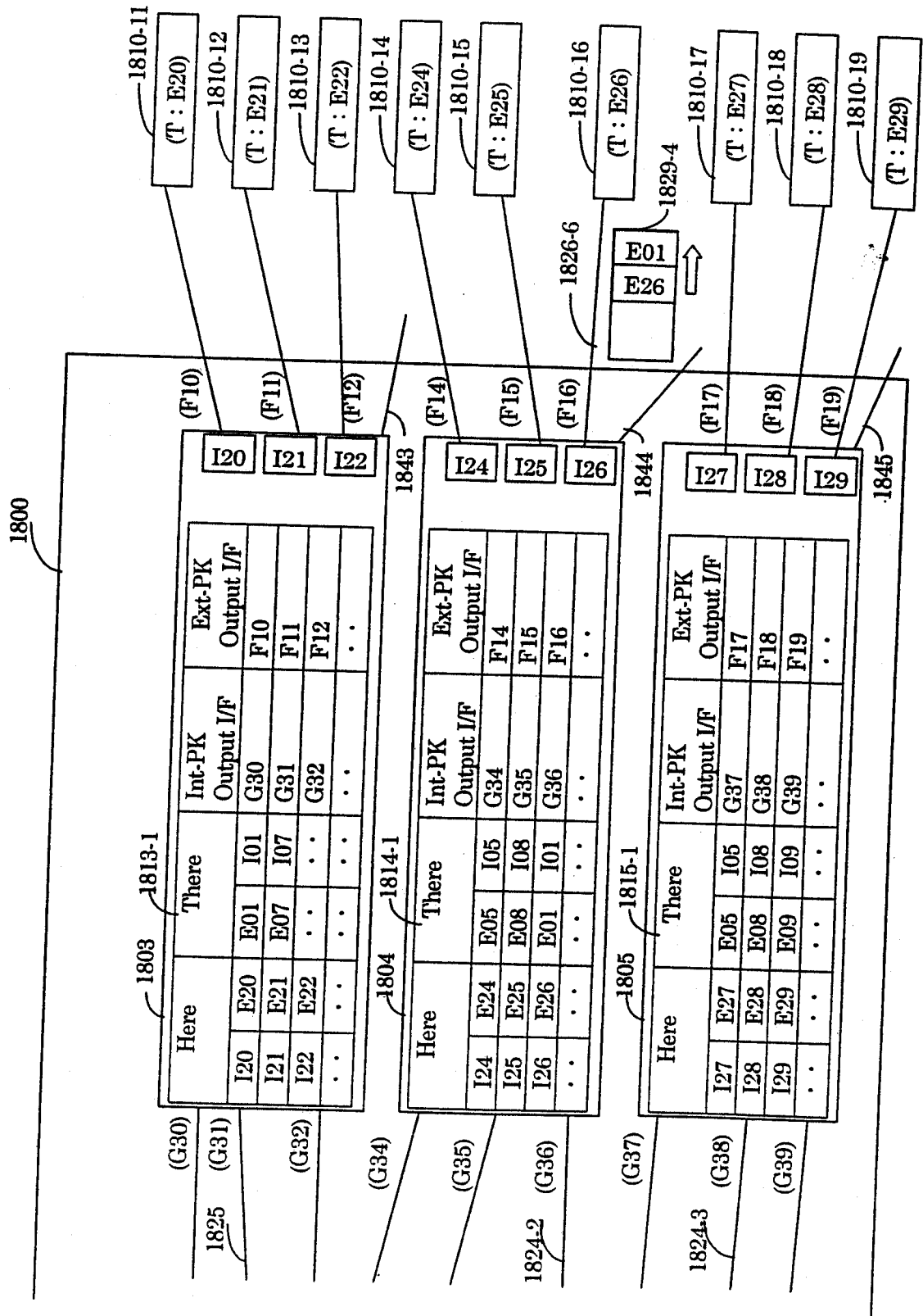


FIG.312



120/149

FIG.313

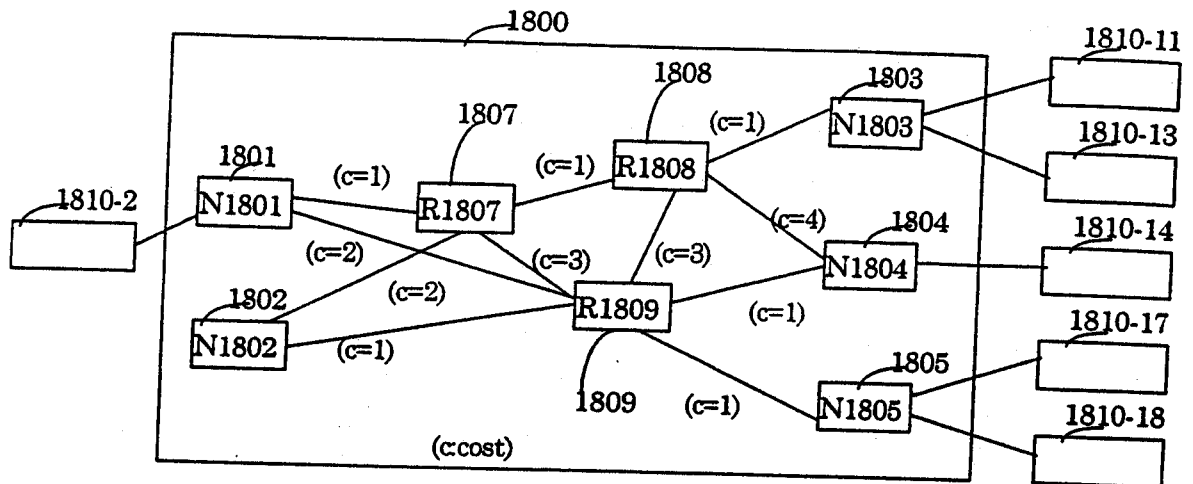


FIG.314

1869

	N1801	N1802	N1803	N1804	N1805	R1807	R1808	R1809	.
N1801						1		2	.
N1802						2		1	.
N1803							1		.
N1804							4	1	.
N1805								1	.
R1807	1	2					1	3	.
R1808			1	4		1		3	.
R1809	2	1		1	1	3	3		.
..	..	..	..	..	..	..	..	..	.

(note: blank = no connection)

FIG.315

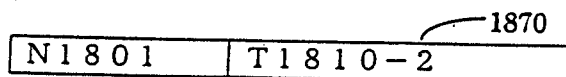


FIG.316

1871

N1803	T1810-11, T1810-13
N1804	T1810-14
N1805	T1810-17, T1810-18

122/149

FIG.318

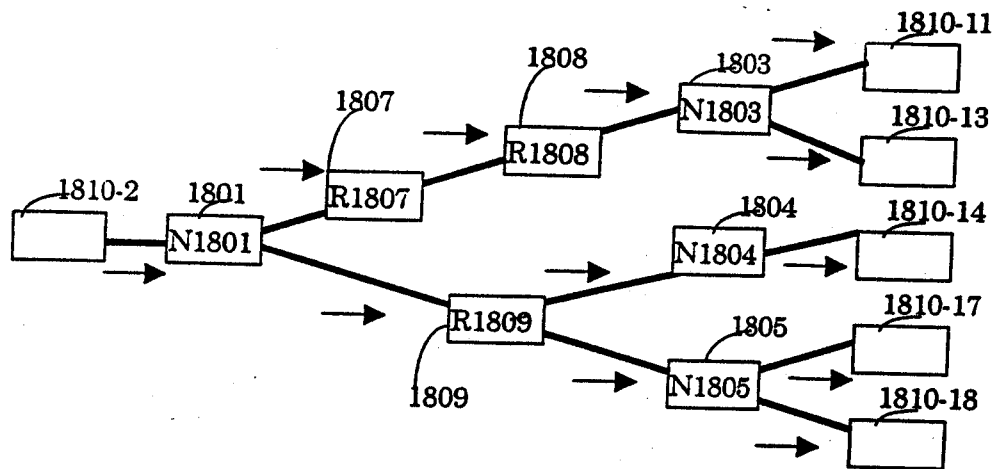


FIG.319

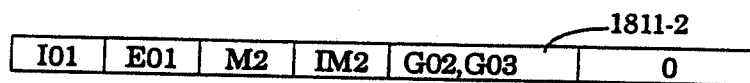


FIG.320

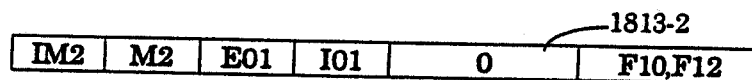


FIG.321

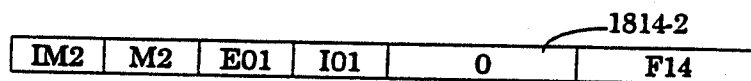


FIG.322

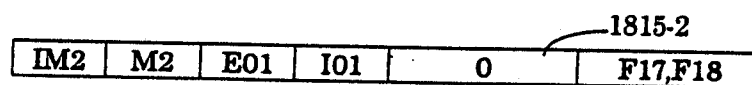


FIG.323

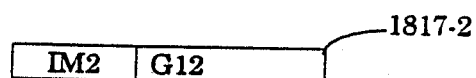


FIG.324

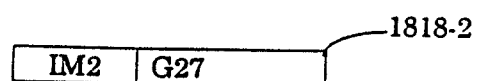
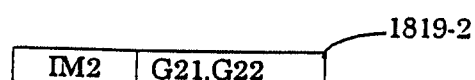
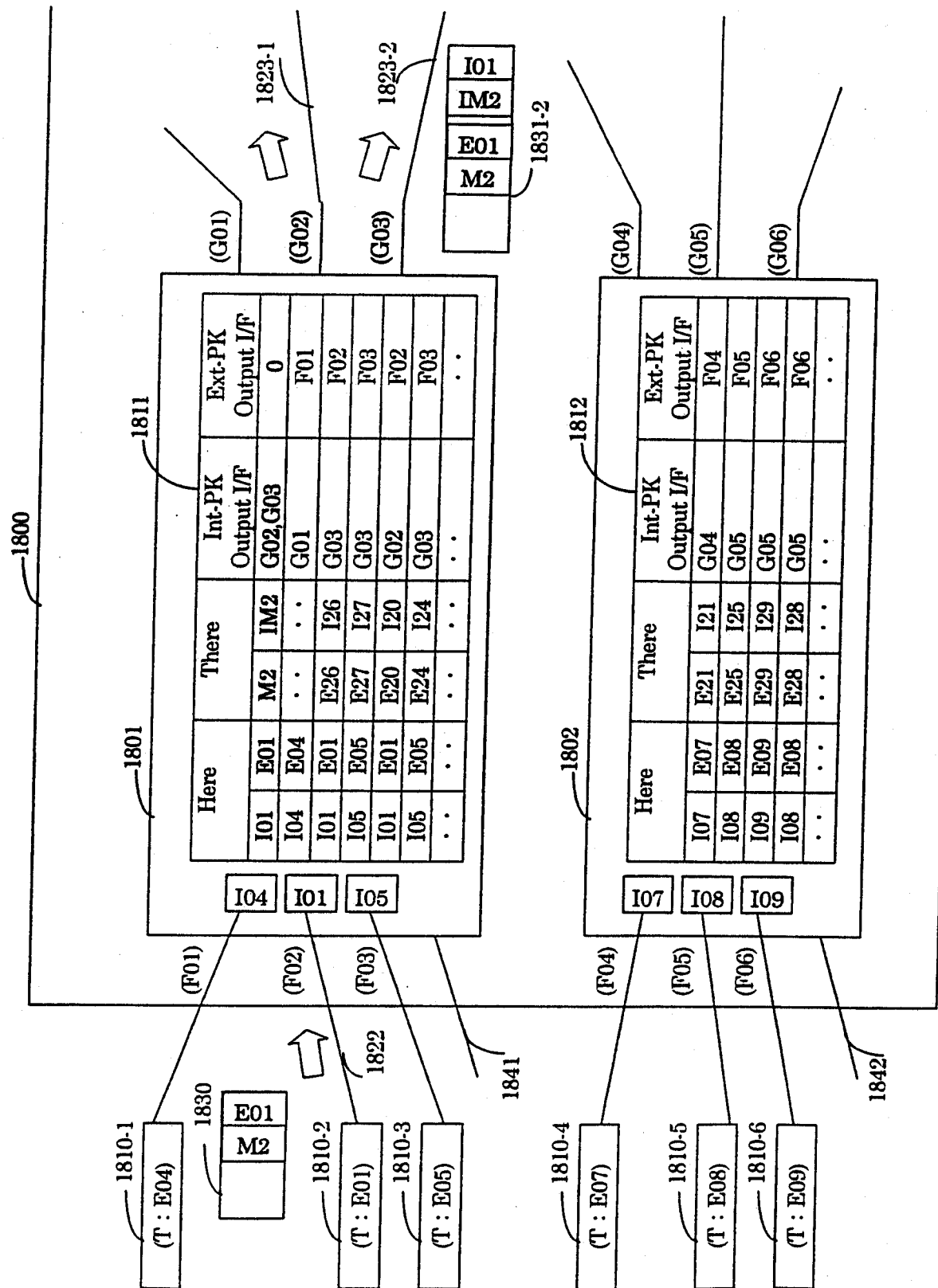


FIG.325



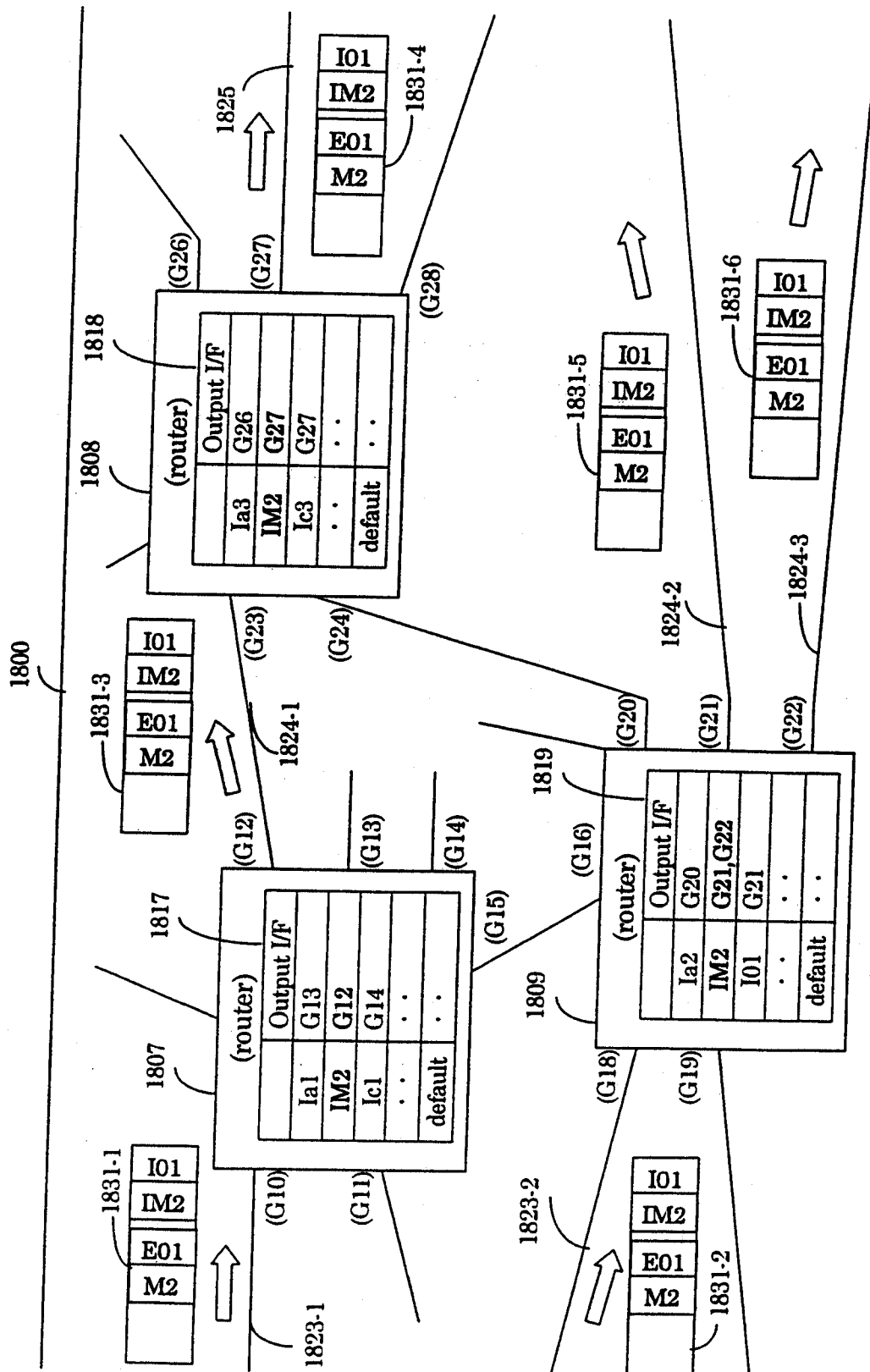
123/149

FIG. 326



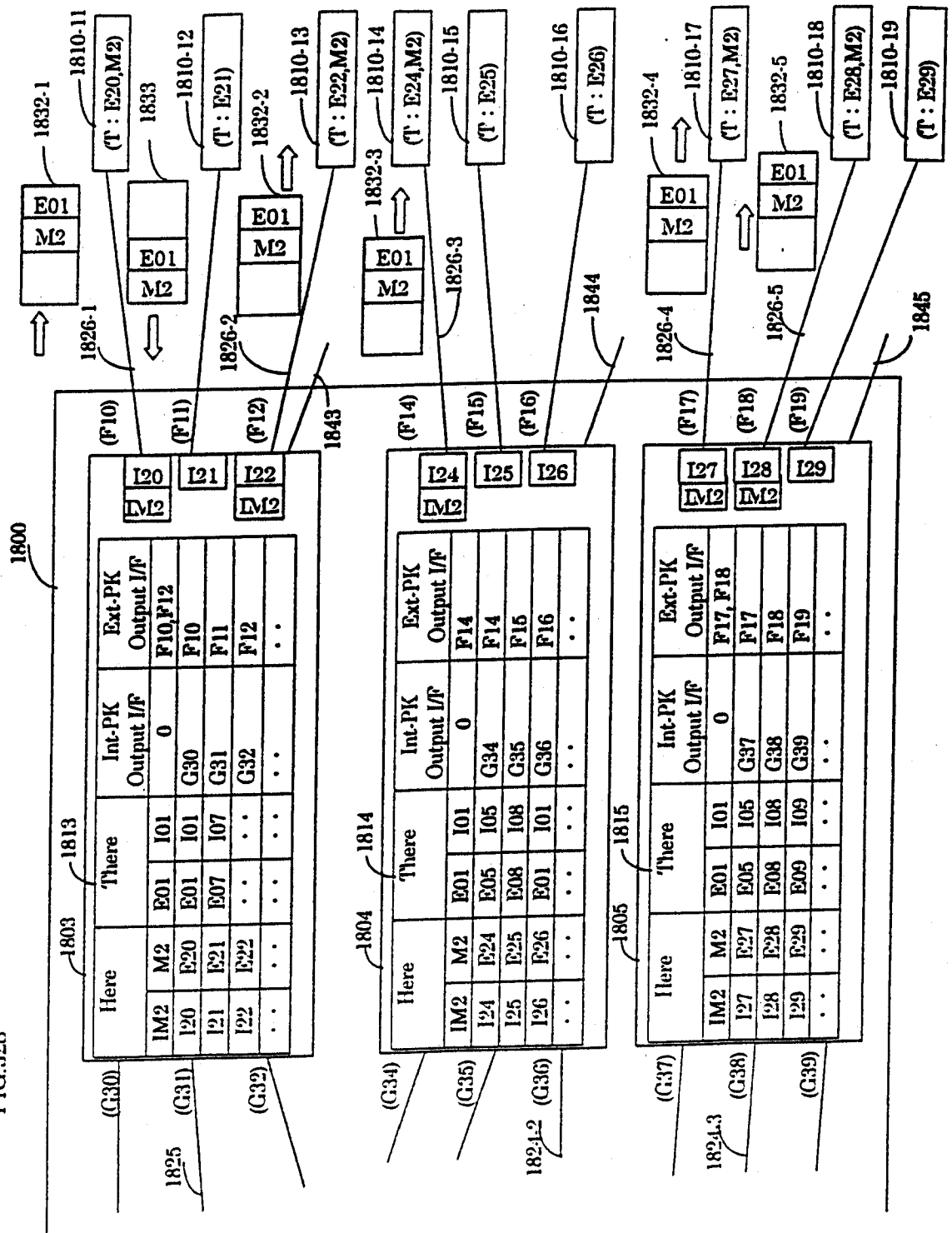
124/149

FIG. 327



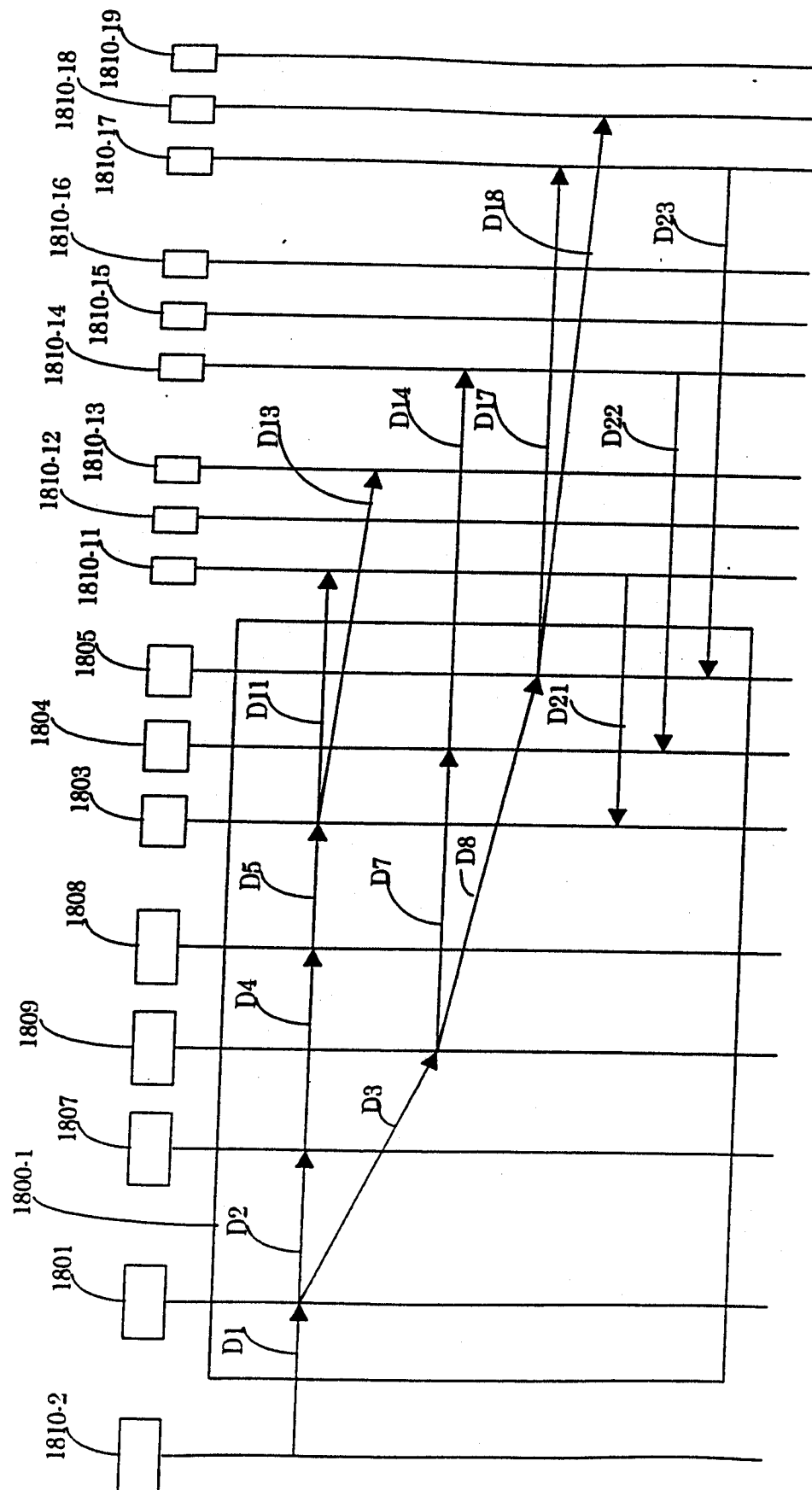
125/149

FIG. 328



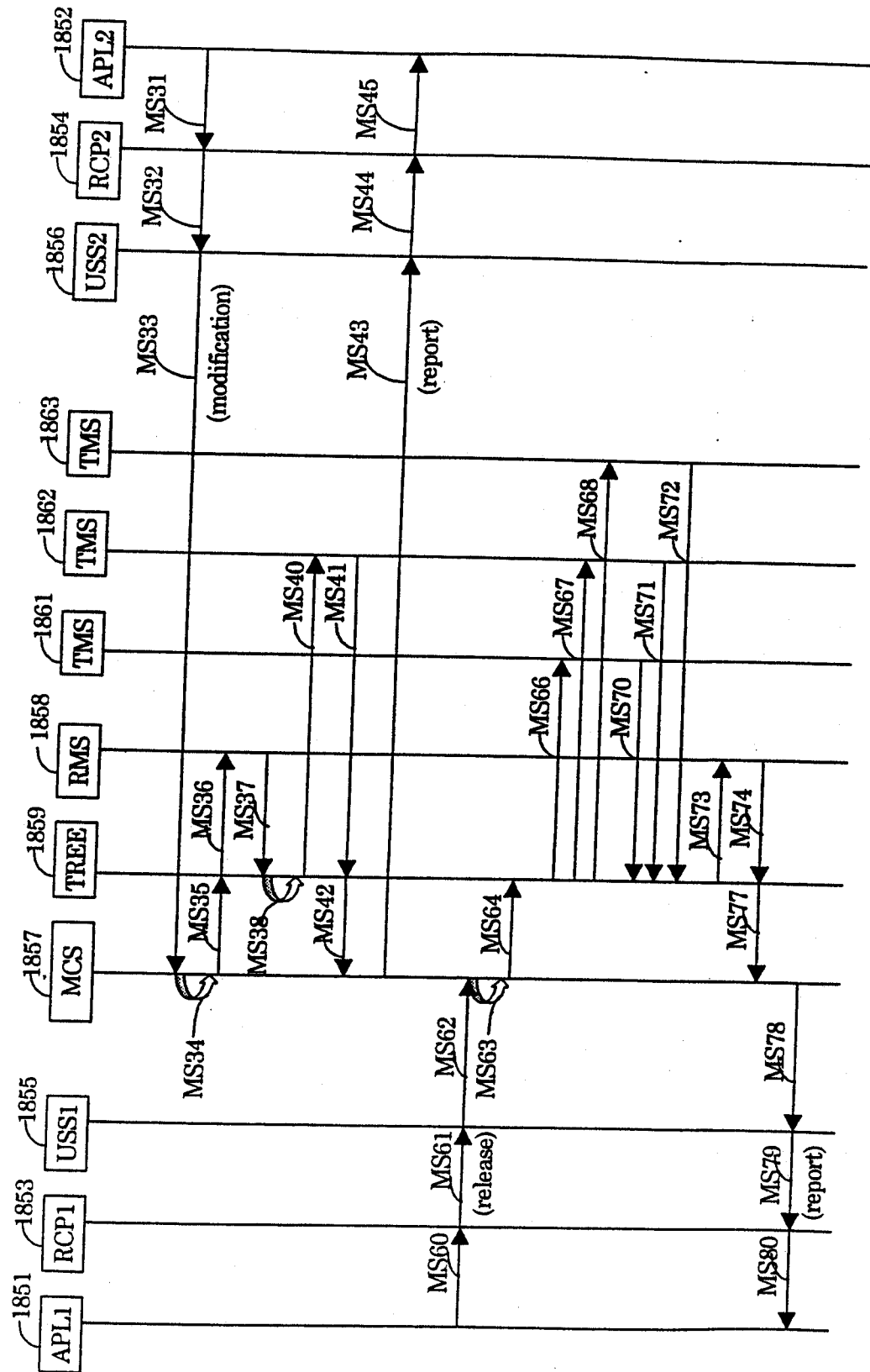
126/149

FIG. 329



127/149

FIG. 330



128/149

FIG.331

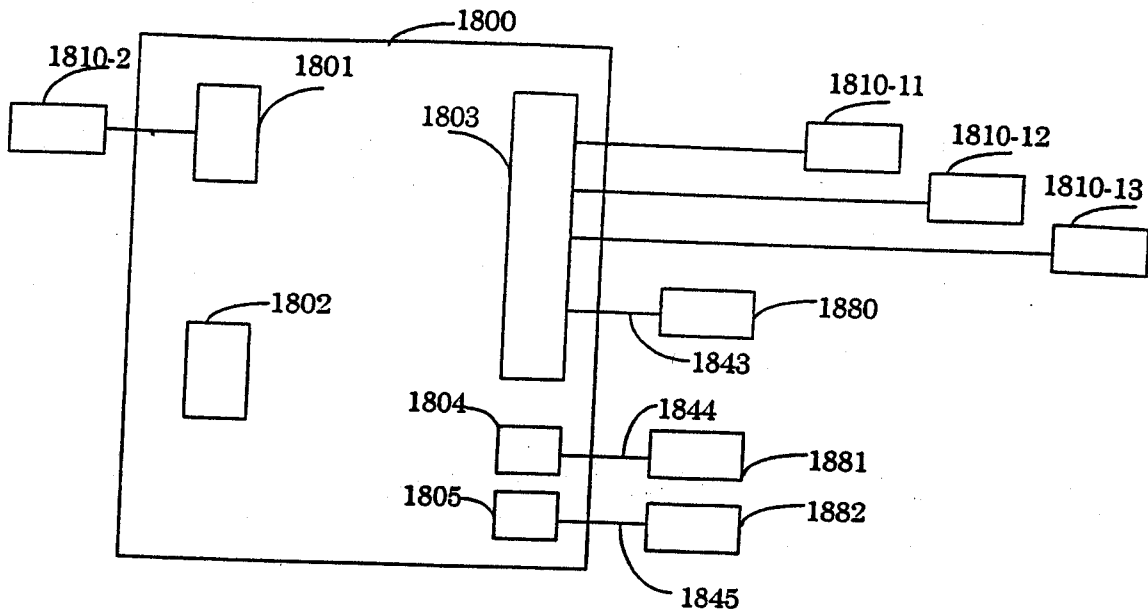


FIG.332

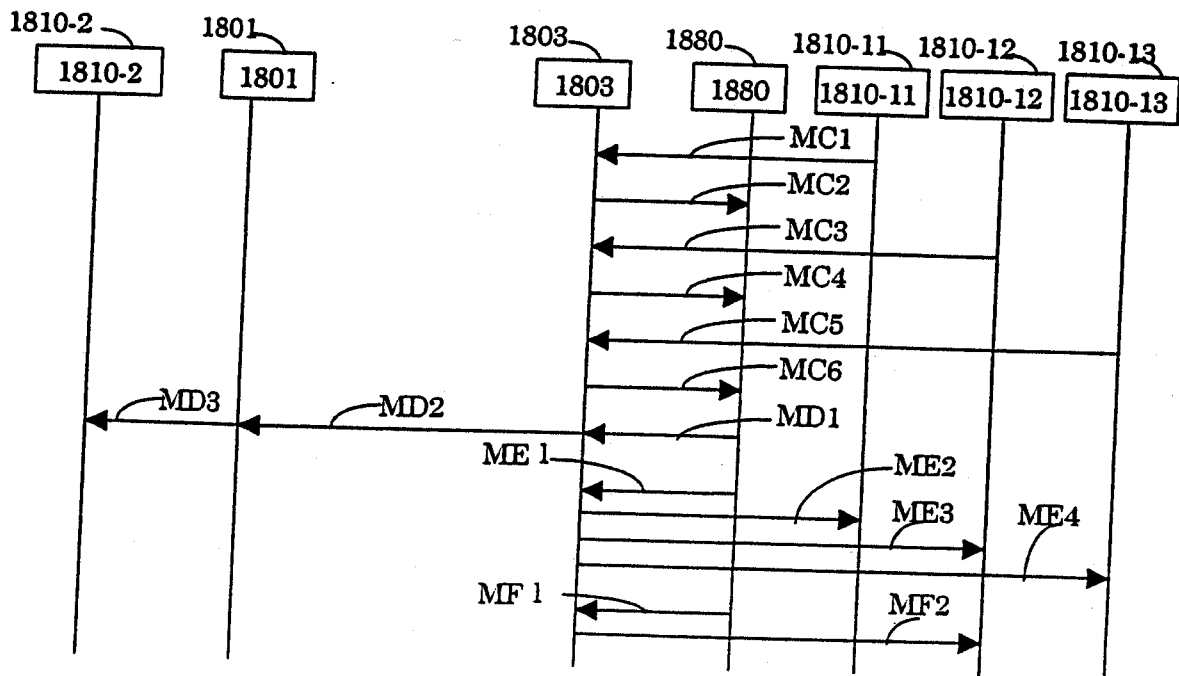
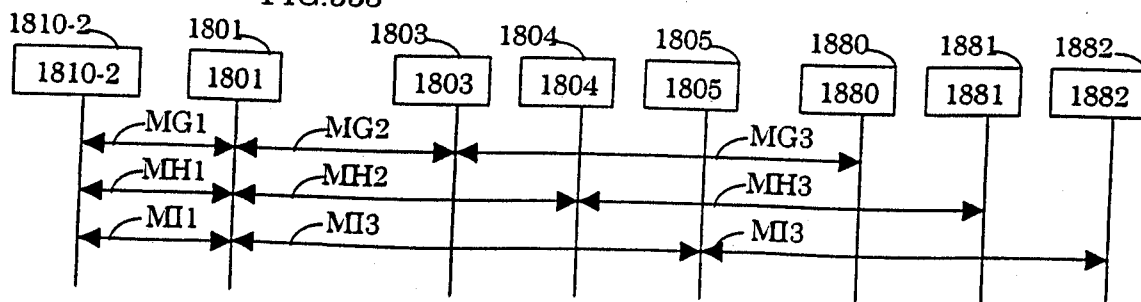


FIG.333



129/149

FIG.334

1811-5

Here	There		Int-PK Output I/F	Ext-PK Output I/F
I01	M2	IM2	G02,G03	0
I04	..	..	G01	F01
I01	E26	I26	G03	F02
I05	E27	I27	G03	F03
I01	E20	I20	G02	F02
I05	E24	I24	G03	F03
..	..	..	..	..

FIG.335

1811-6

Here			There			Int-PK Out I/F	Ext-PK Out I/F
I-adr	Mask	E-adr	Mask	E-adr	I-adr		
I01	M-h01	E01x	M-t2	M2x	IM2	G02,G03	0
I04	M-h04	E04x	..	..	..	G01	F01
I01	M-h01	E01x	M-t26	E26x	I26	G03	F02
I05	M-h05	E05x	M-t27	E27x	I28	G03	F03
I01	M-h01	E01x	M-t20	E20x	I20	..	..
I05	M-h05	E05x	M-t24	E24x	I24	..	..
..	..	..	..	..	..	..	..

FIG.336

1811-7

Here		There		Int-PK Output I/F	Ext-PK Output I/F
I01	E01	M2	IM2	MT-1	0
I04	E04	..	..	G01	F01
I01	E01	E26	I26	G03	F02
I05	E05	E27	I28	G03	F03
I01	E01	E20	I20	..	..
I05	E05	E24	I24	..	..
..	..	..	..	..	..

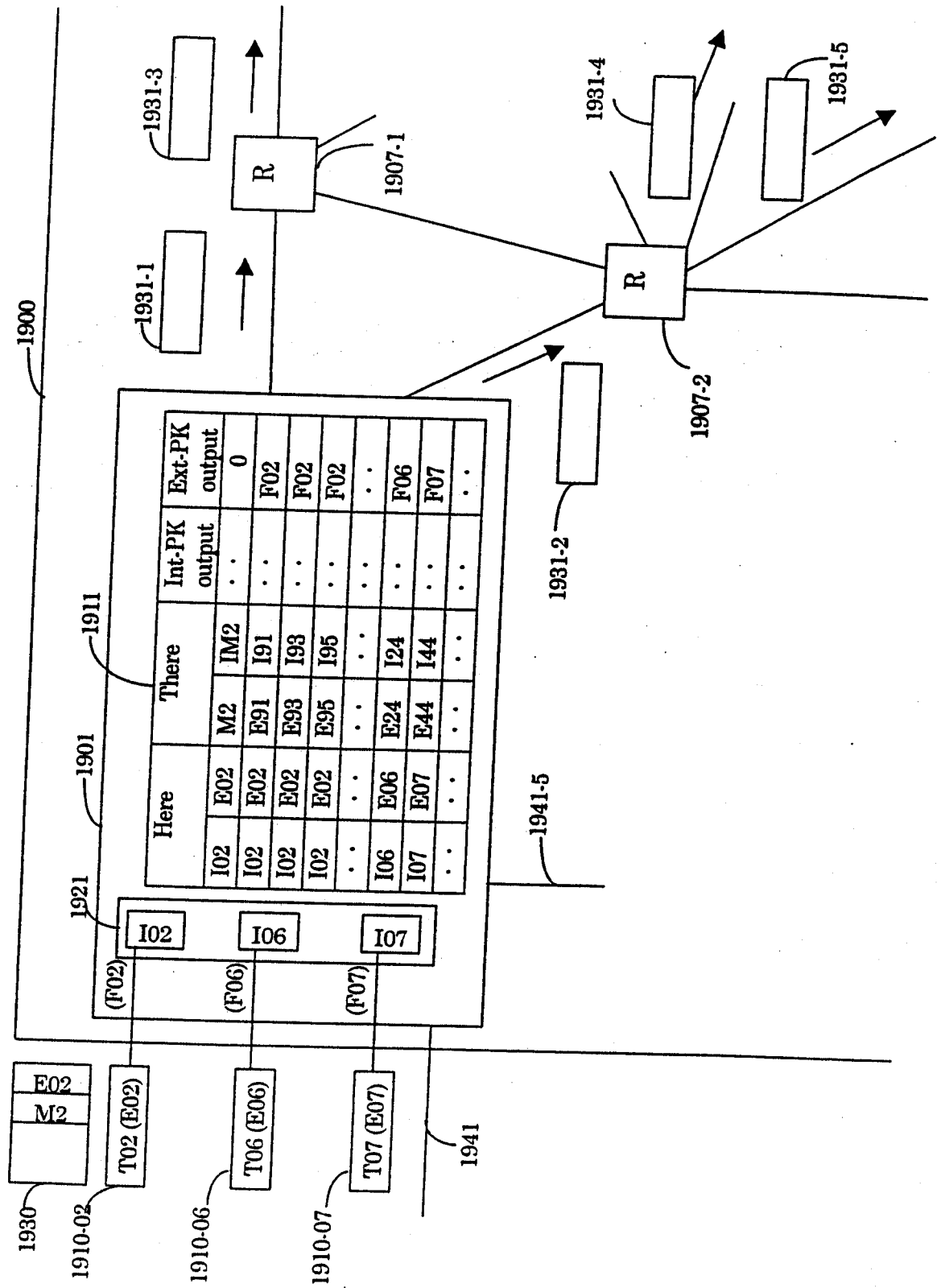
FIG.337

1811-8

MT-1	G02,G03
..	..

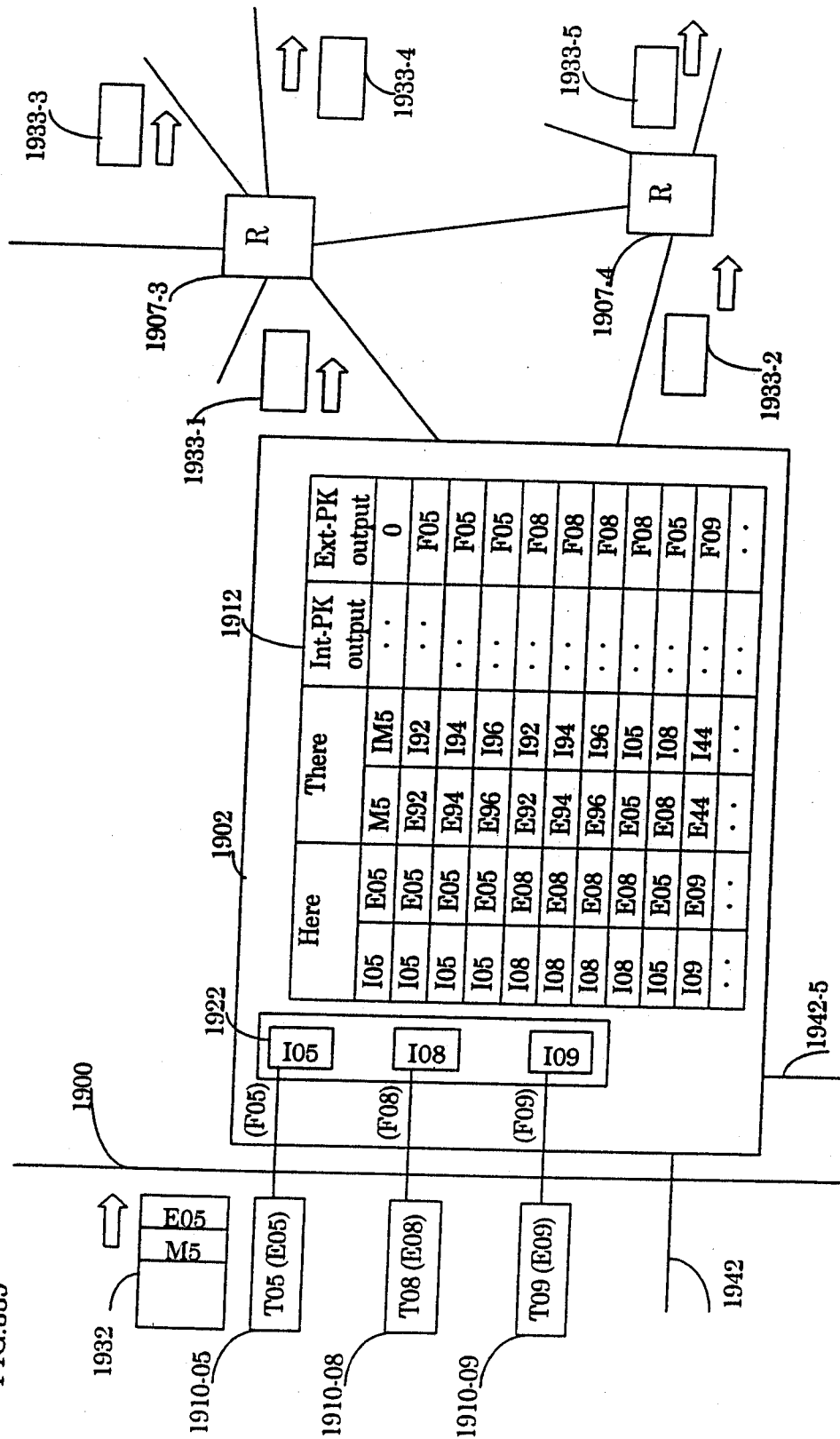
130/149

FIG.338



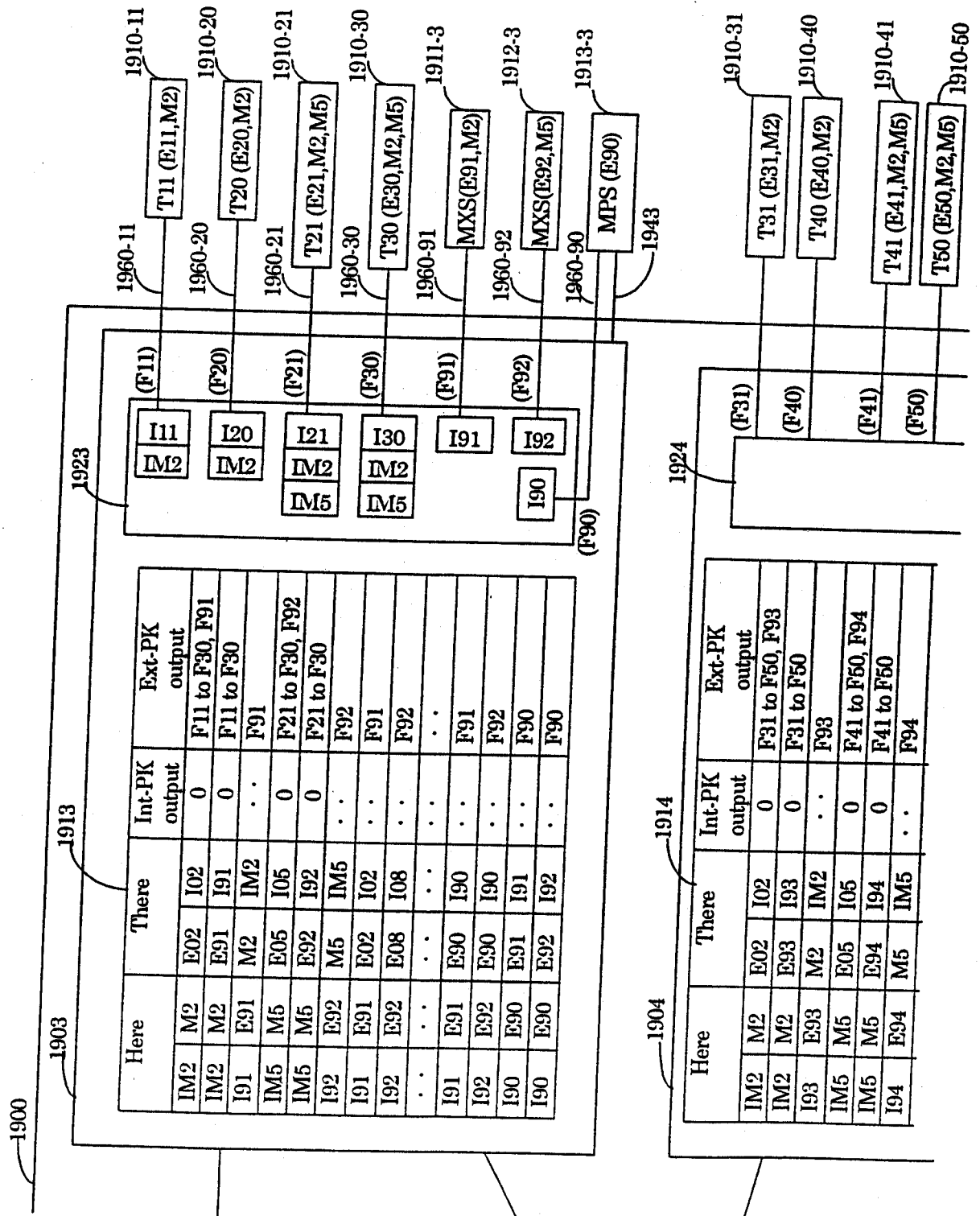
131/149

FIG. 339



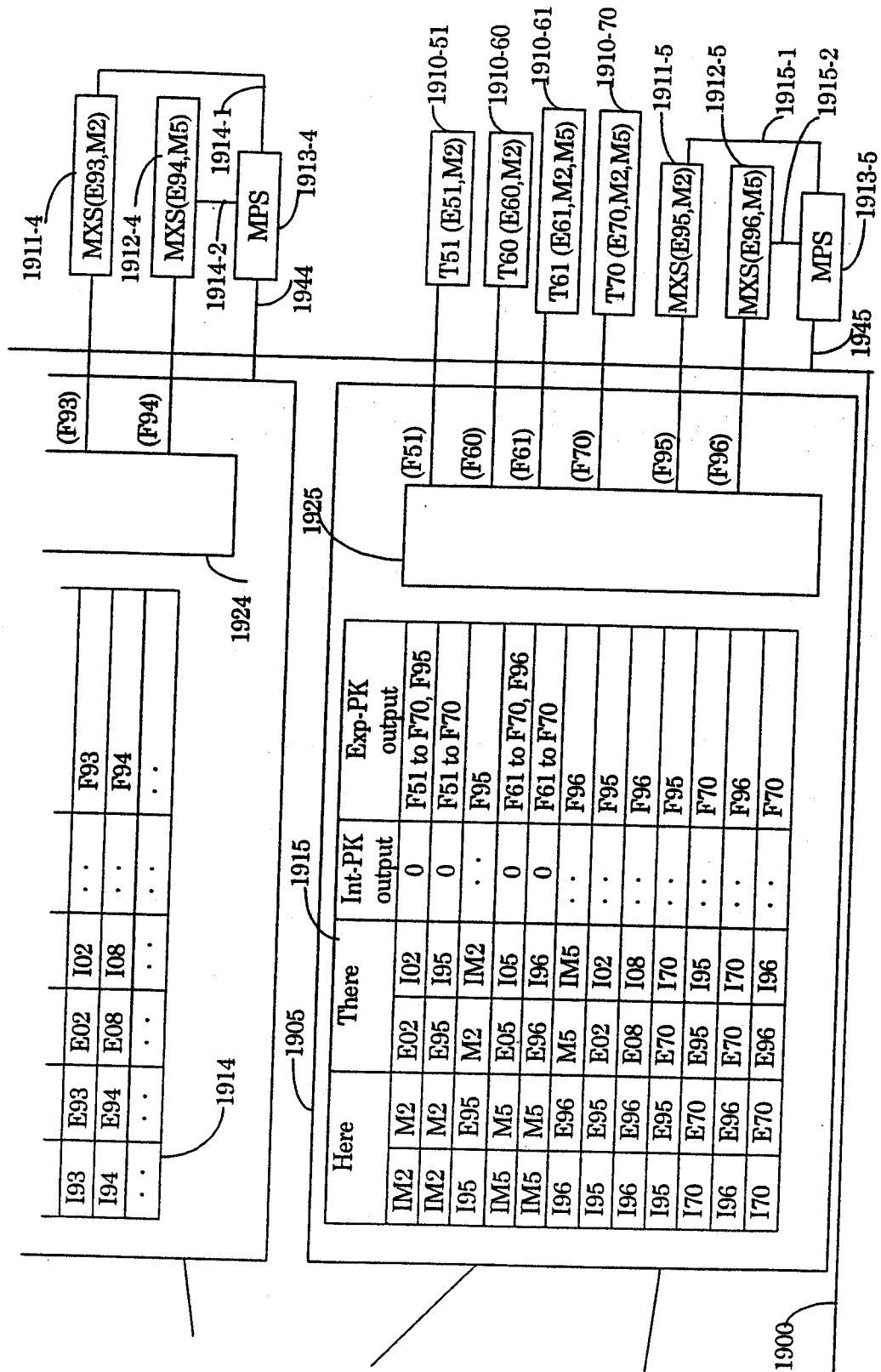
132/149

FIG.340



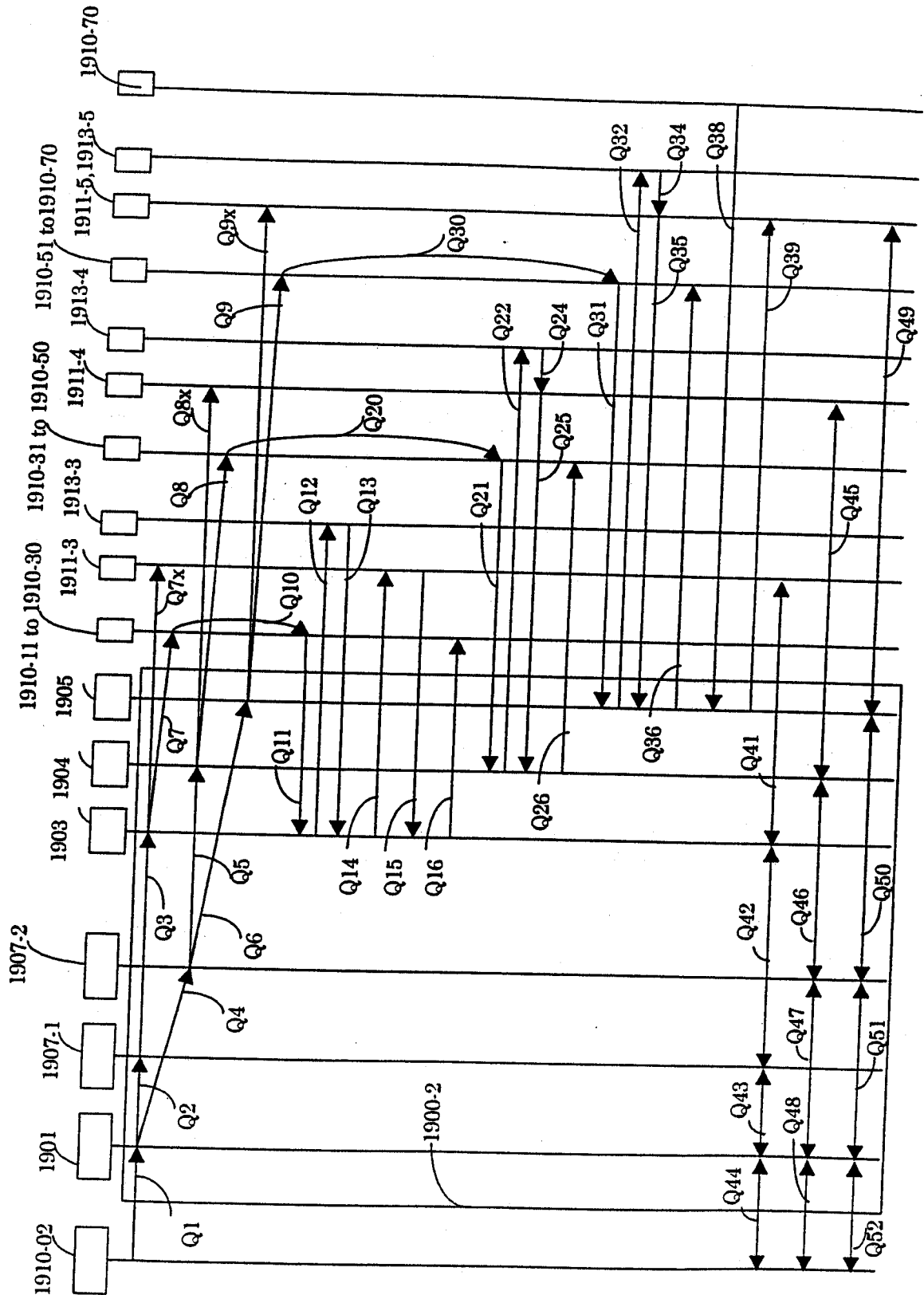
133/149

FIG. 341



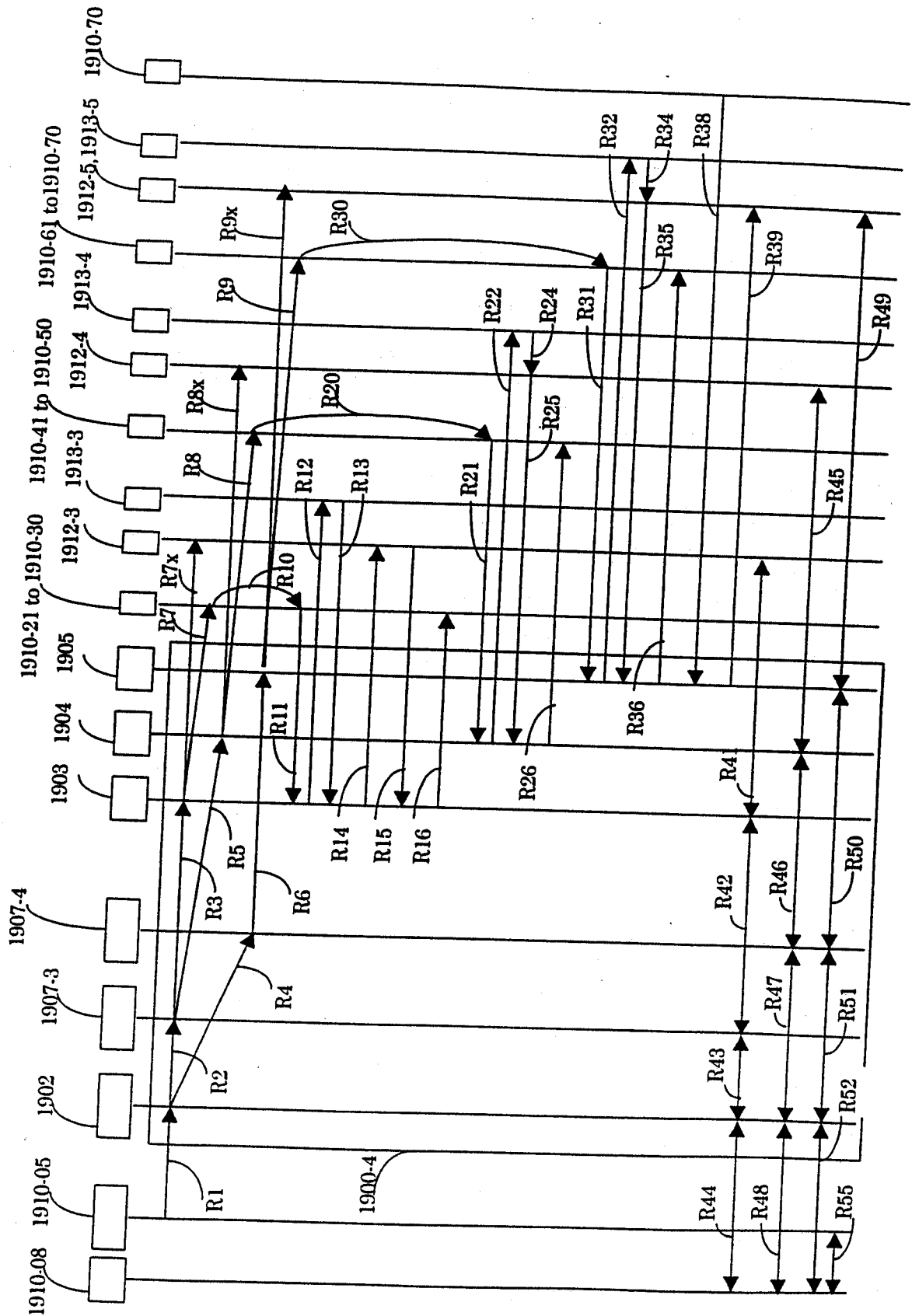
134/149

FIG. 342



135/149

FIG. 343



136/149

FIG.344

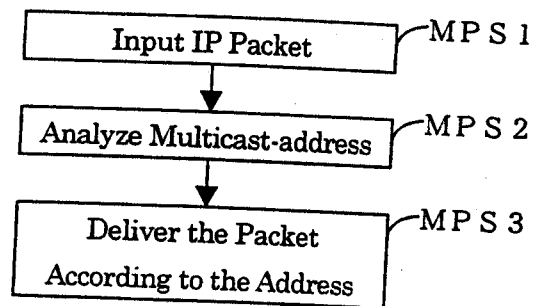


FIG.345

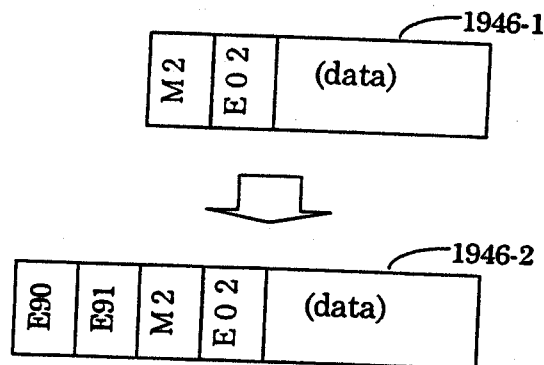
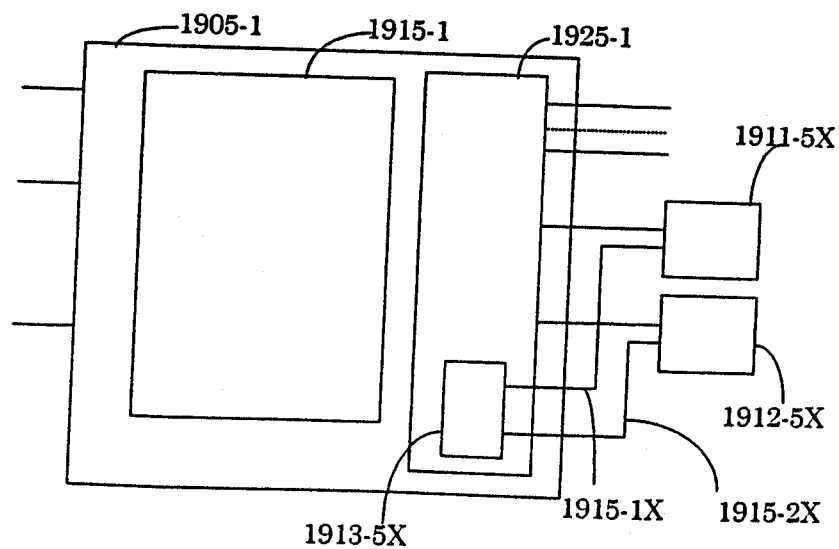


FIG.346



137/149

FIG.347

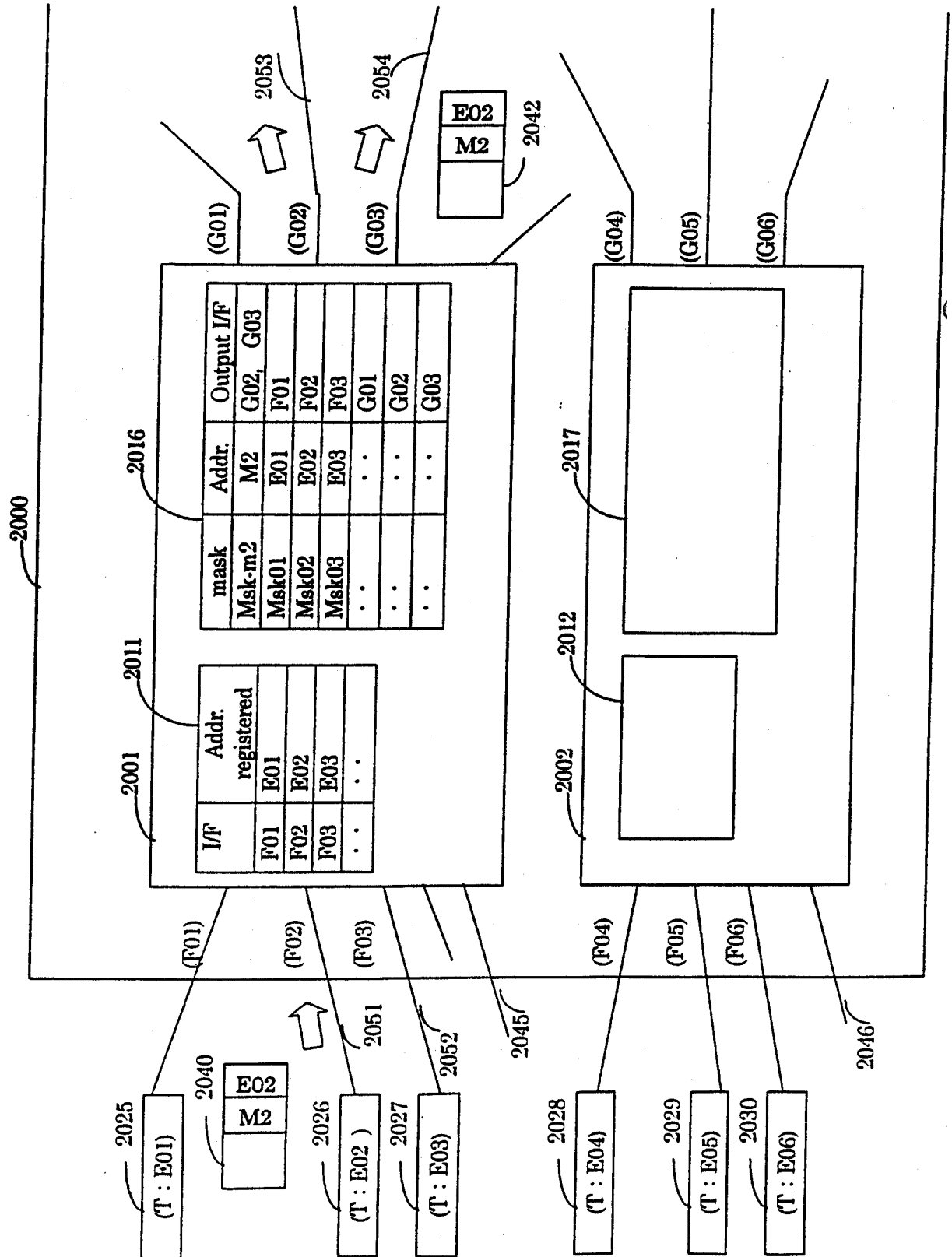


FIG. 348

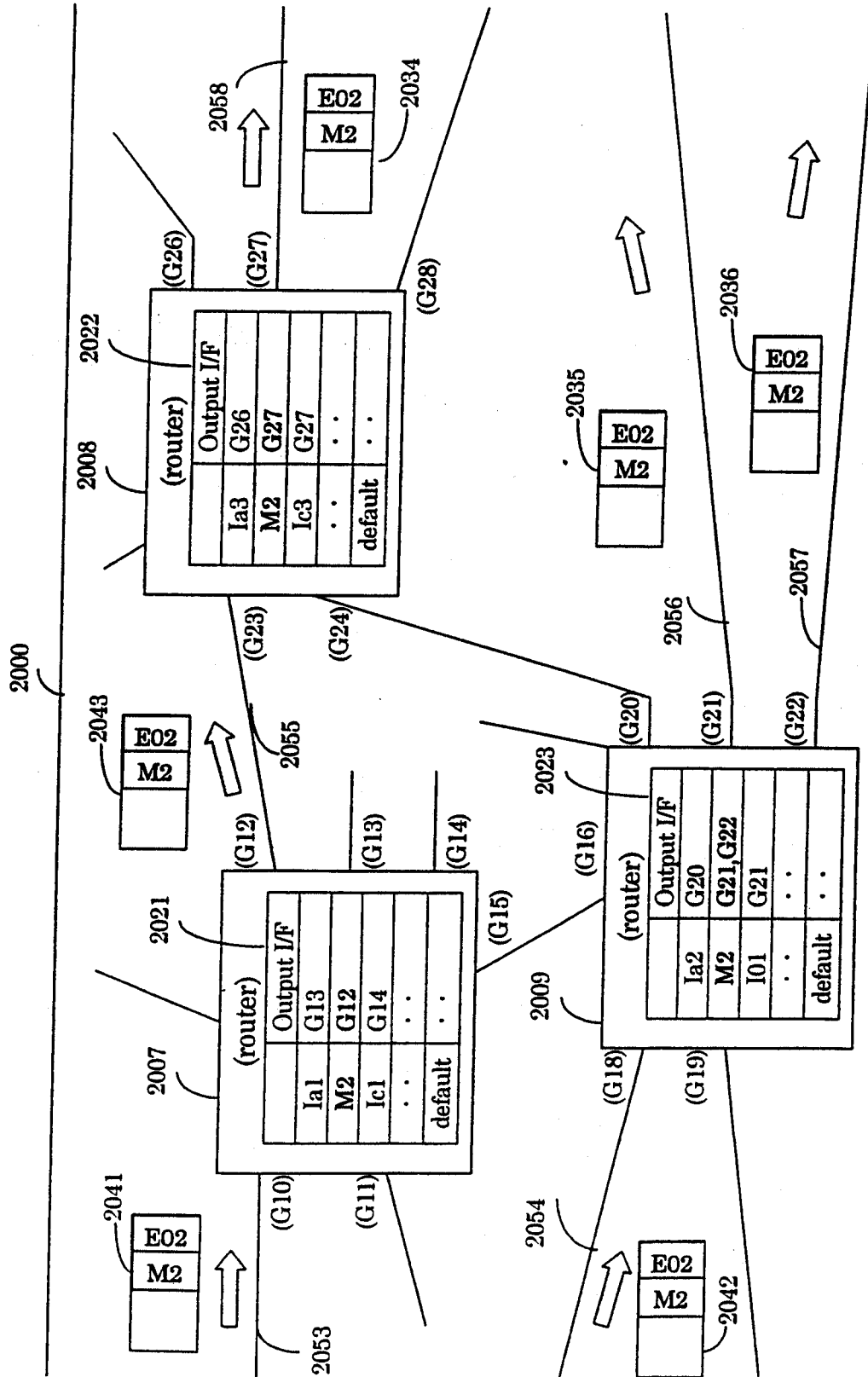
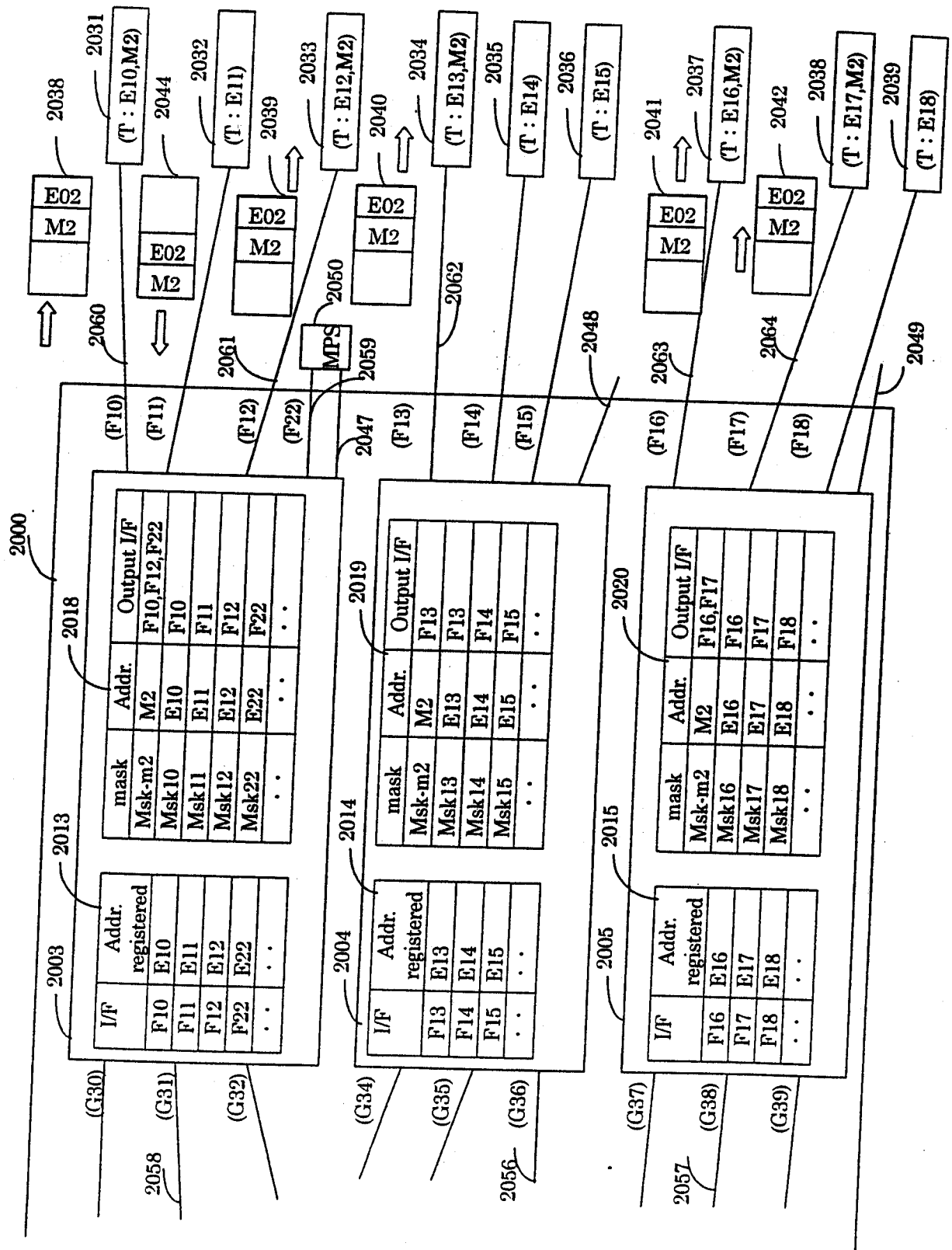


FIG. 349



140/149

FIG. 350

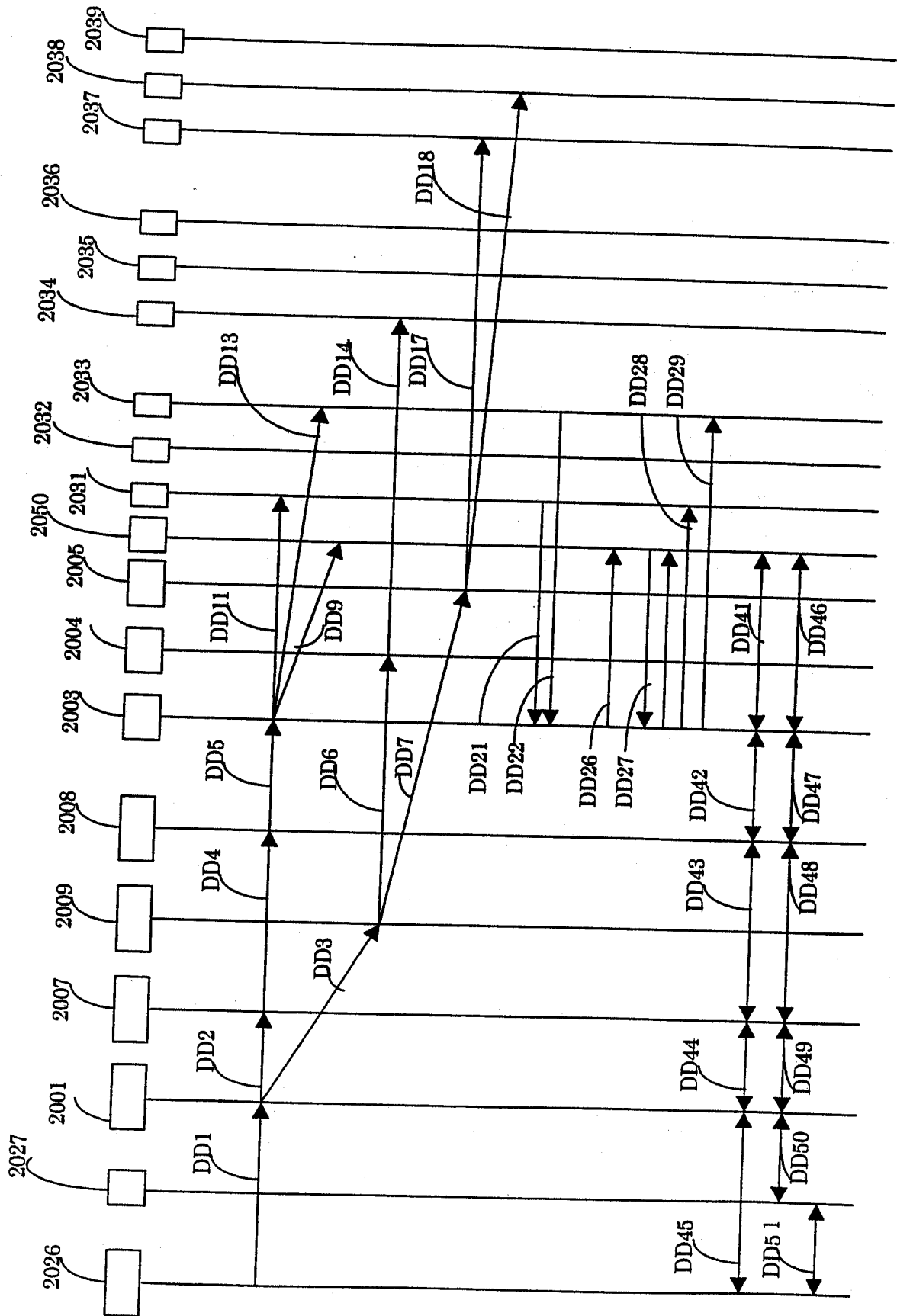
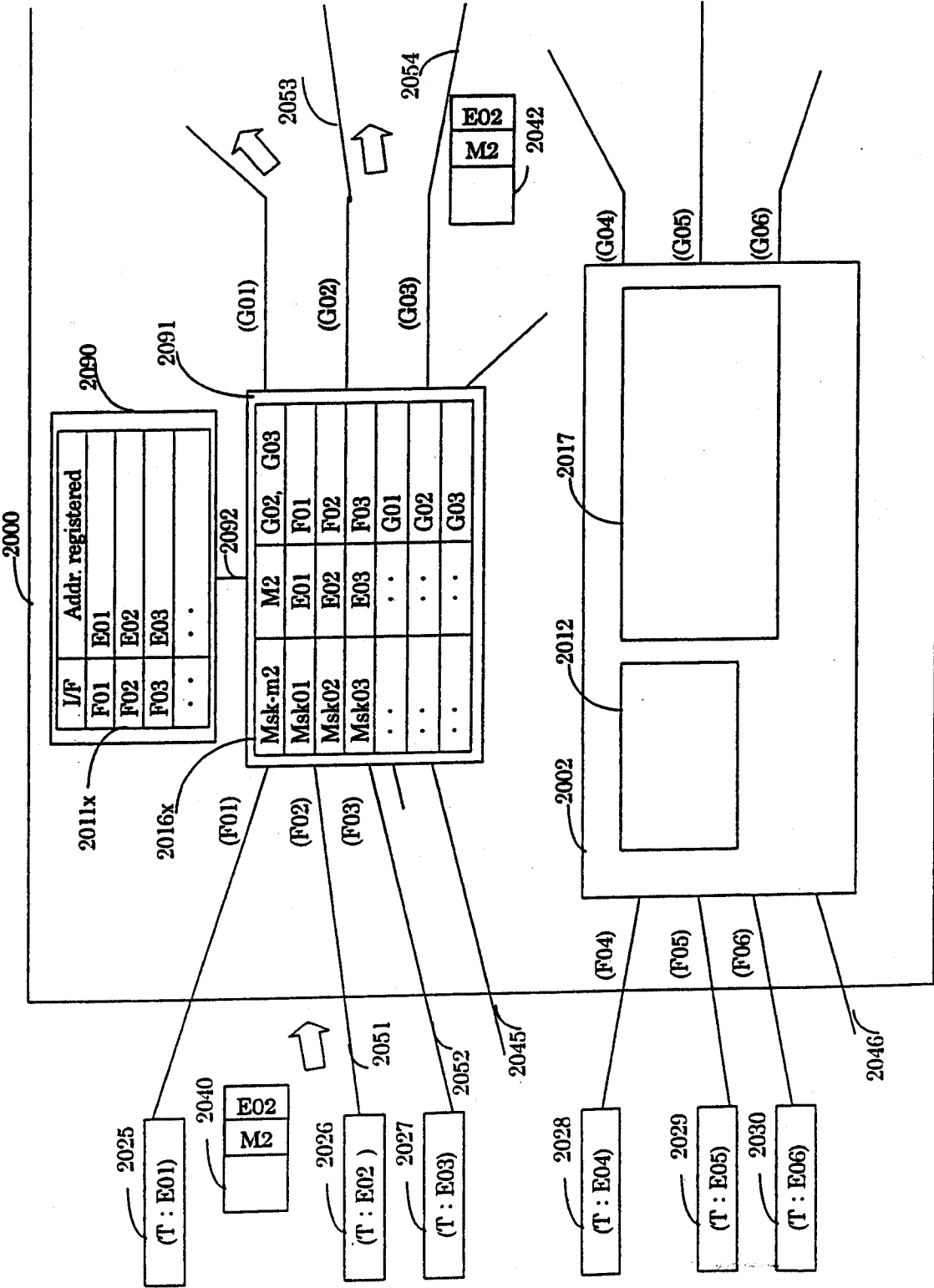
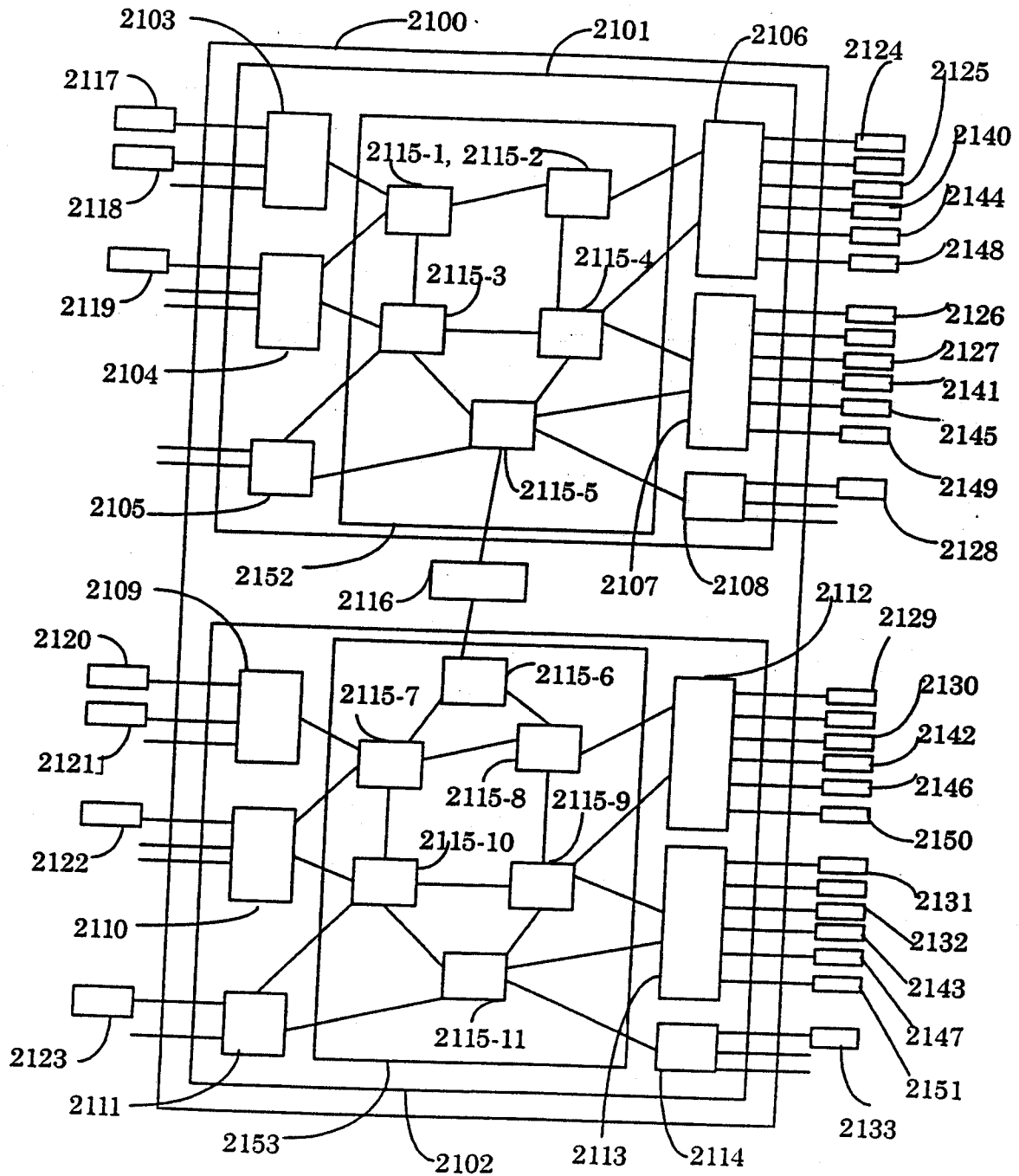


FIG.351



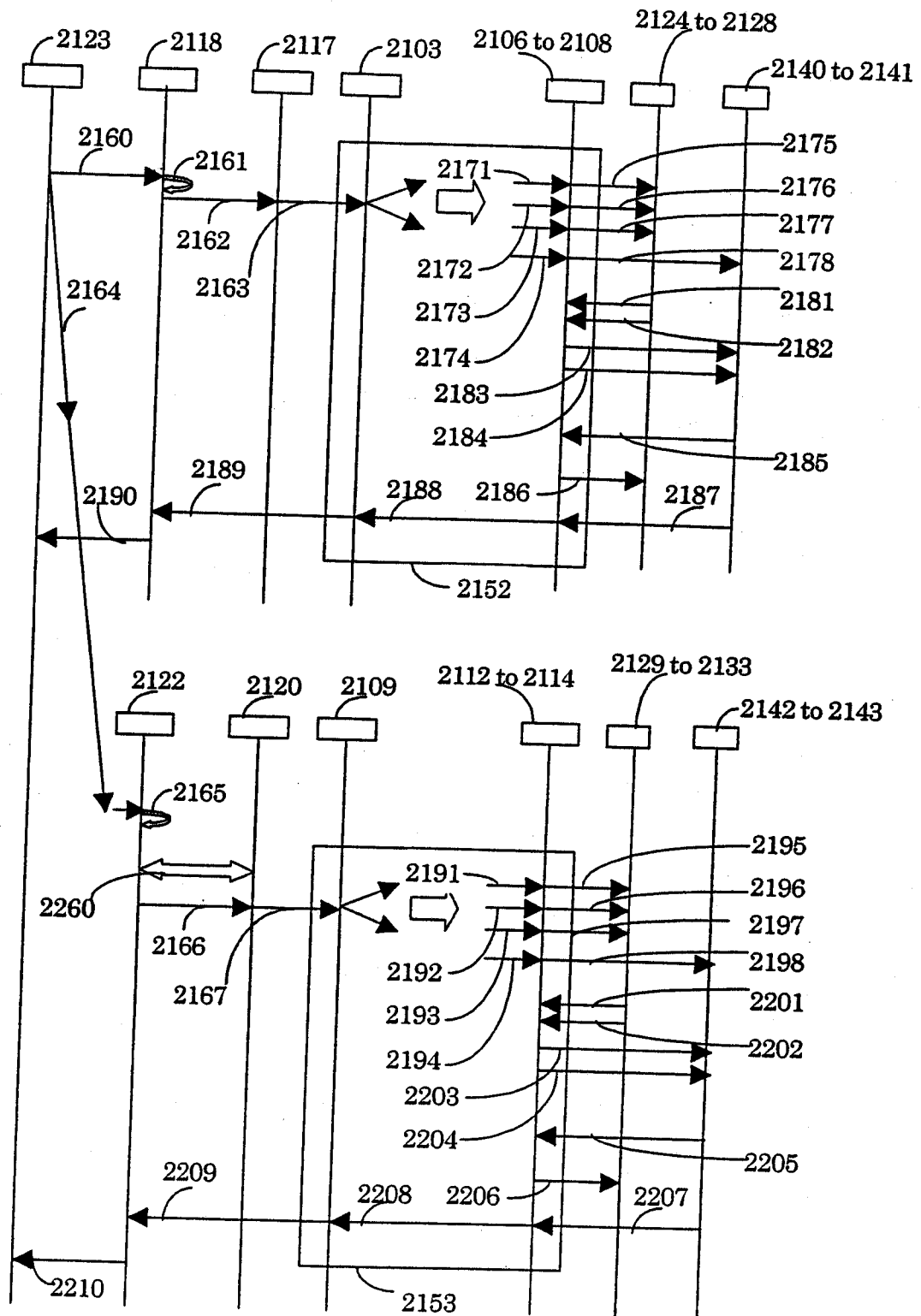
142/149

FIG.352



143/149

FIG.353



144/149

FIG.354

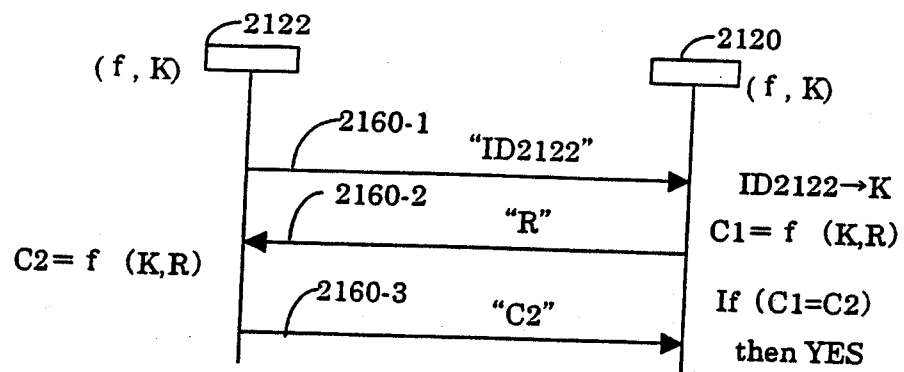
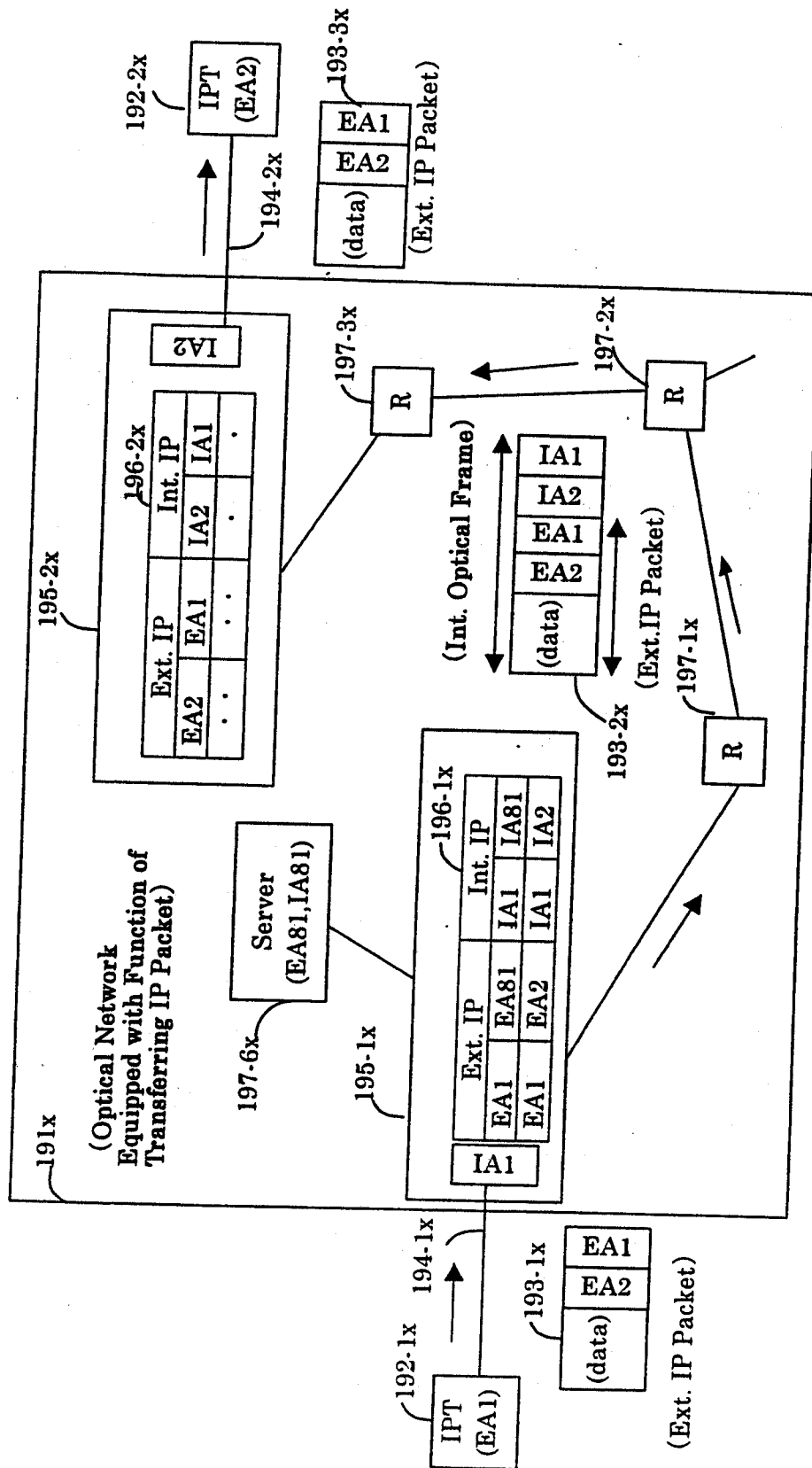


FIG.355

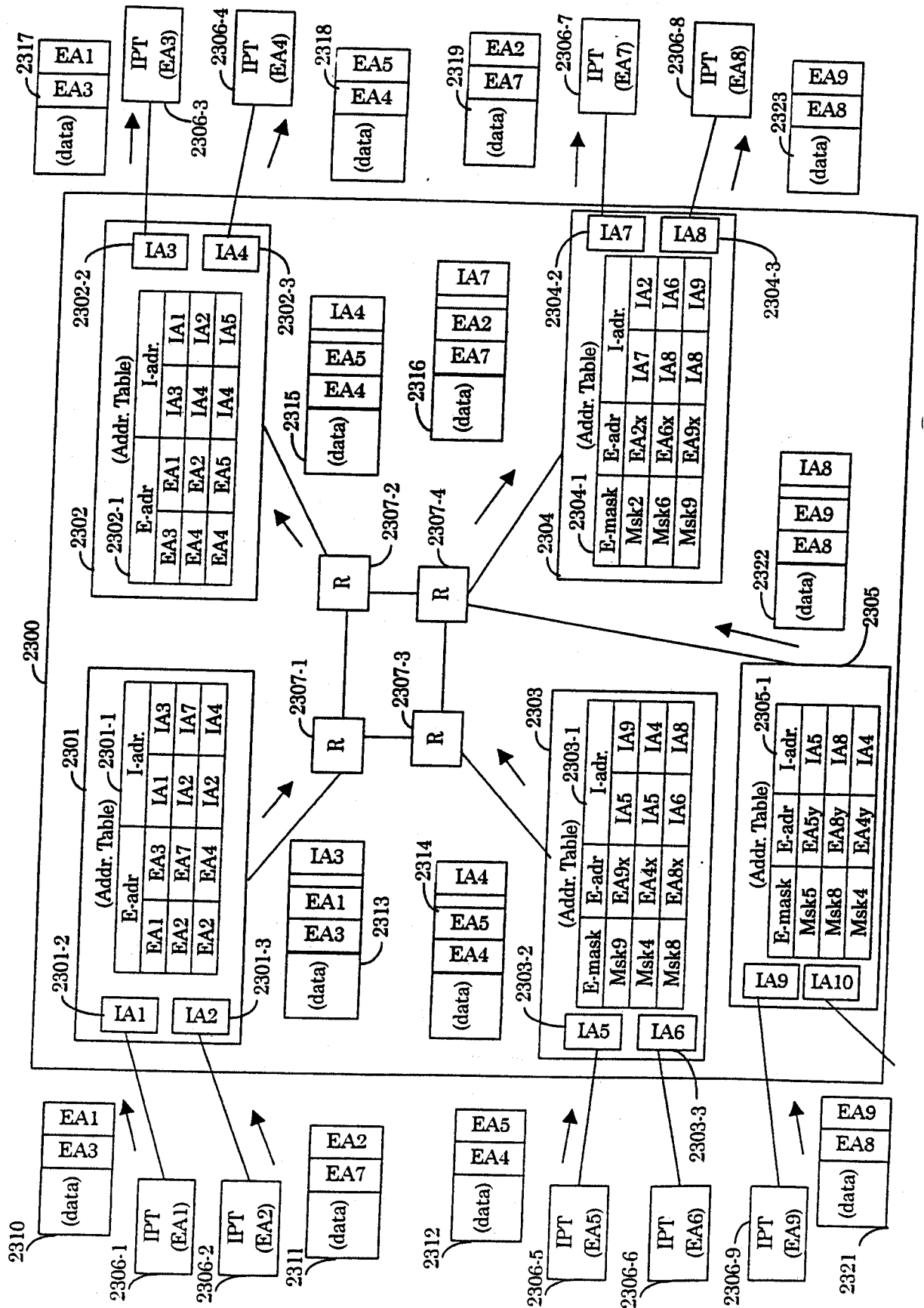
146/149

FIG. 356



147/149

FIG. 357



GIG.358

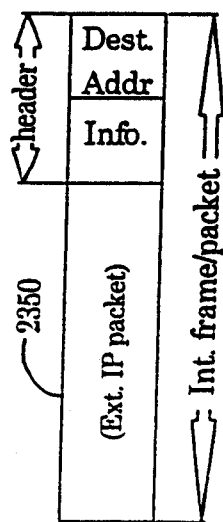


FIG.359

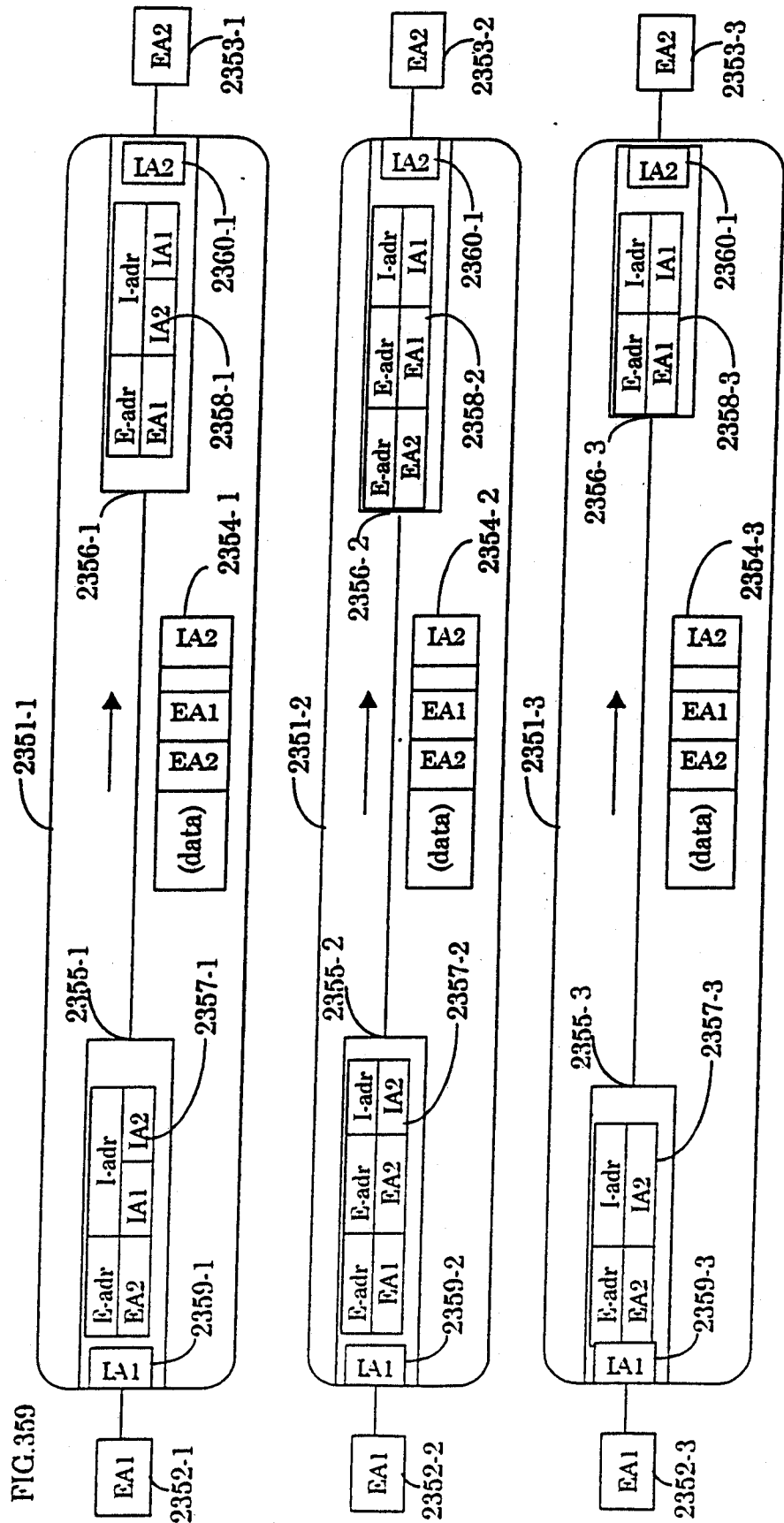


FIG. 360

