

FIG.1

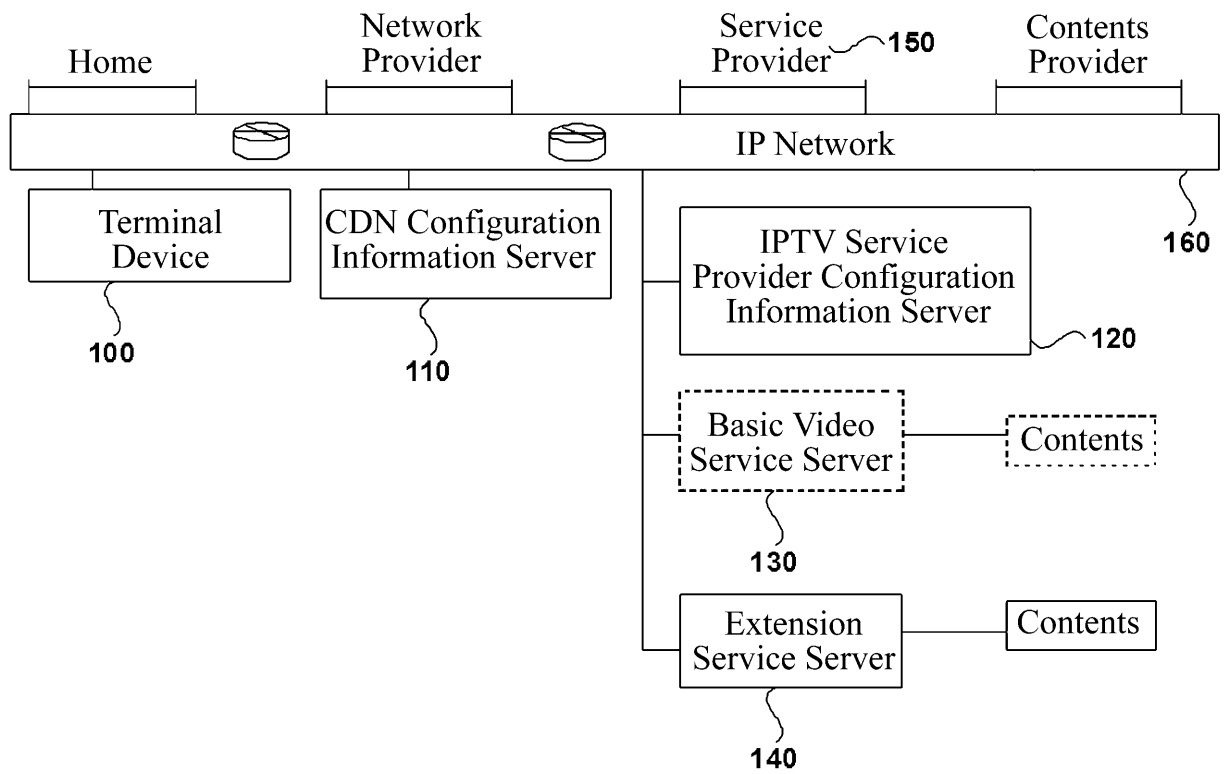


FIG.2

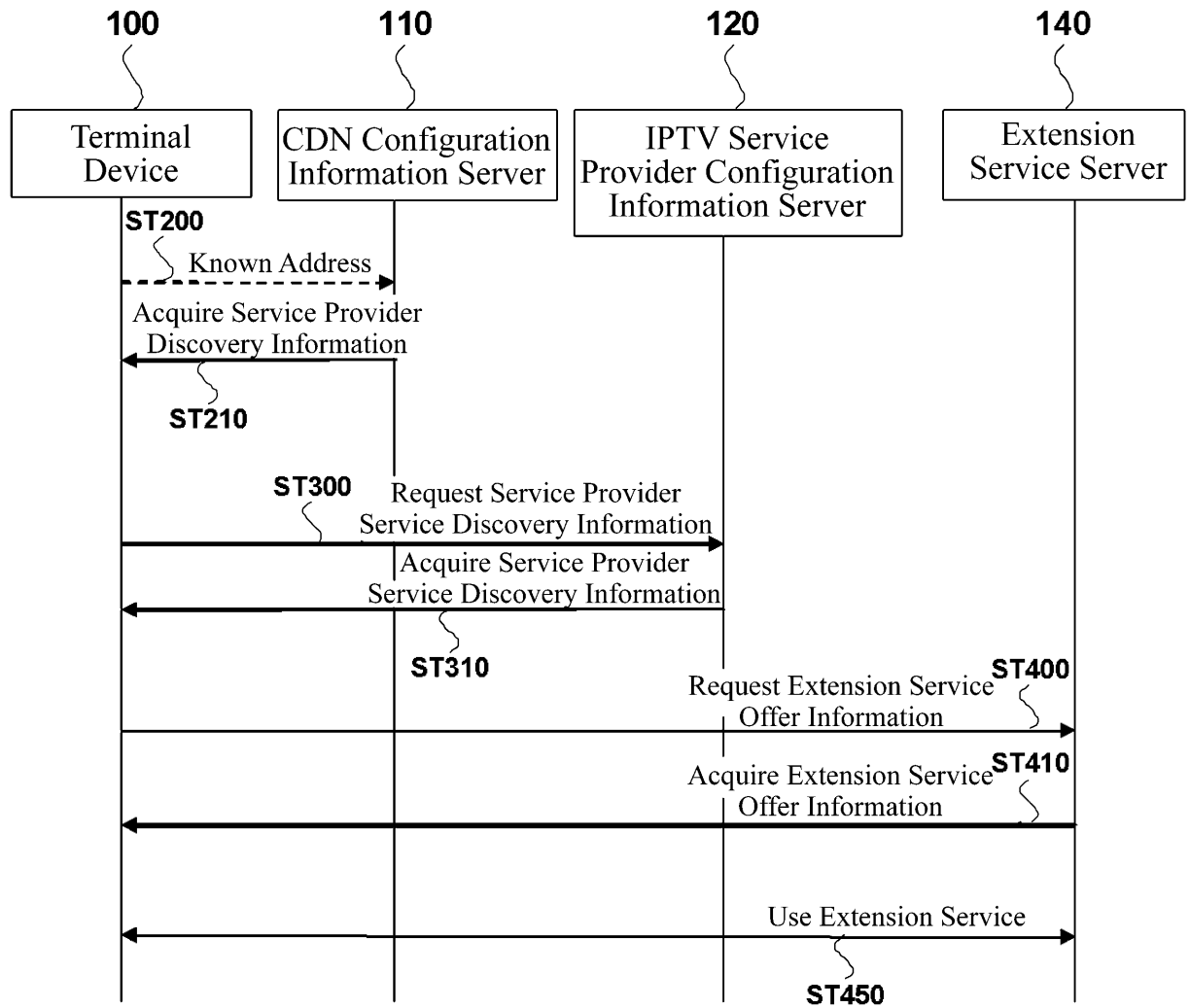


FIG.3

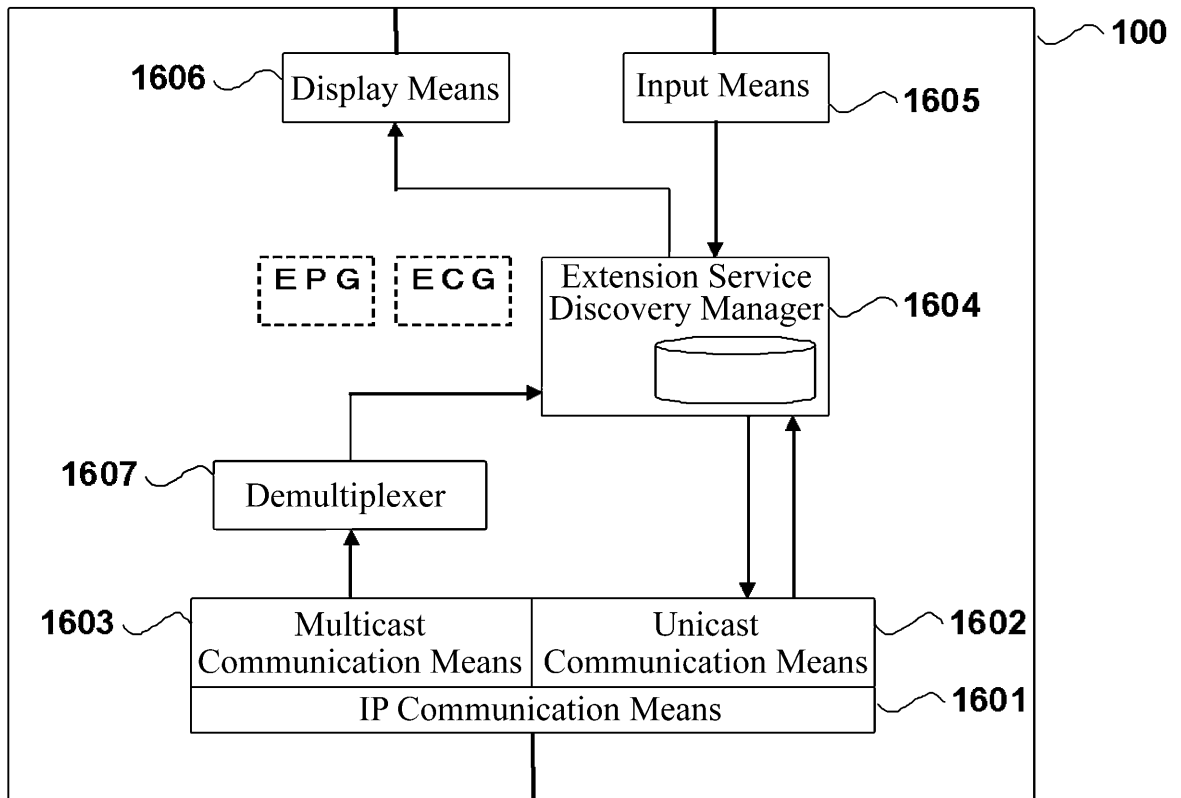


FIG.4

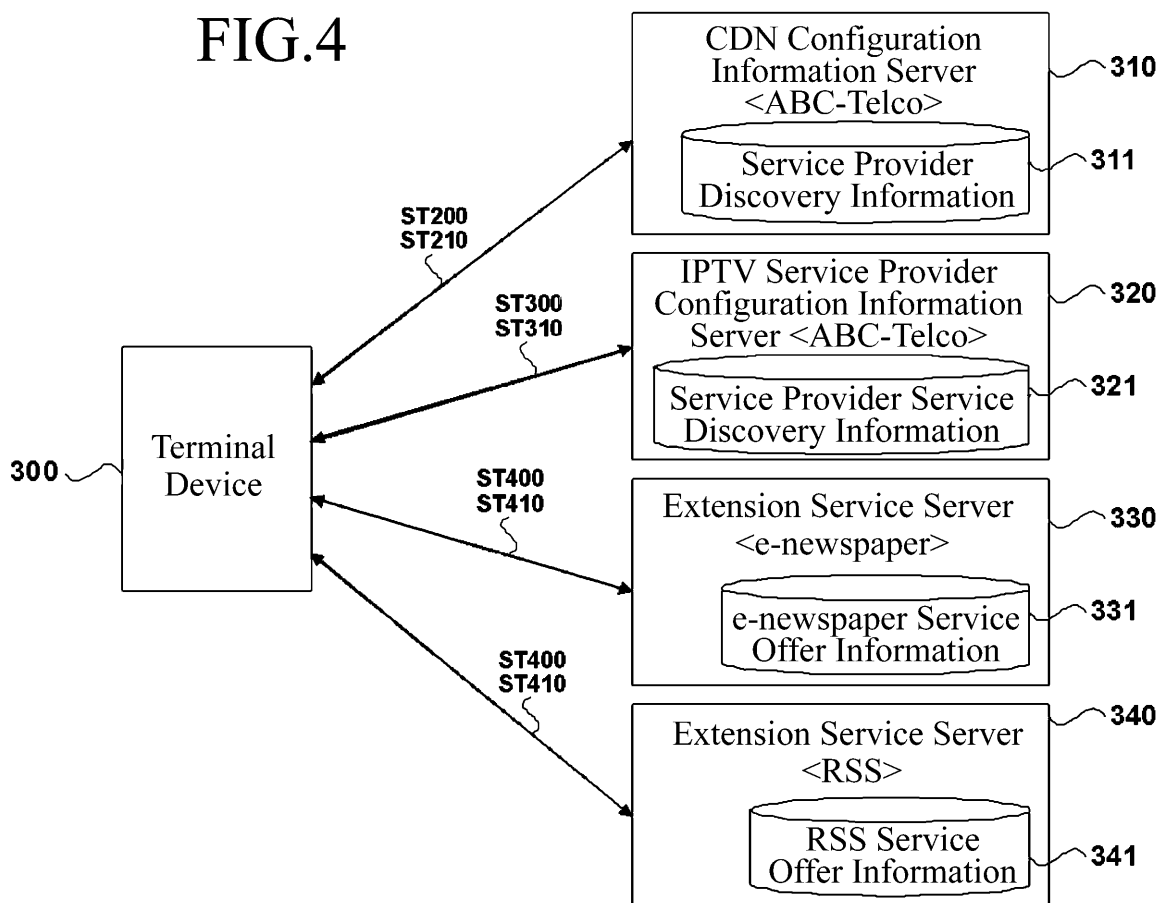


FIG.5

Element / Attribute	Value (example)	
CDN Record		400
@RecordVersion	1	410
@CDNName	ABC-Telco.net	411
Service Provider List		
Service Provider		
@ServiceProviderNetworkID	00A1	420
@ServiceProviderName	ABC Telco	421
@ServiceProviderPushURI	Kousei.abc.net	422
@ServiceProviderPullAddress	Multicast 12.125.23.21 Port: 6354	423
@ServiceProviderSerial	234	424

FIG.6

Element / Attribute	Value (example)	
Record		500
@RecordVersion	2	510
ServiceProvider		
@ServiceProviderDomainName	ABC-Telco.net	520
@ServiceProviderAuthority	ABC-AggregatorServices.net	521
@ServiceProviderVersion	1	522
@ServiceProviderLogoURI	ABC-Telco.net/ServiceLogo.jpg	523
ServiceProviderName	ABC Telephone Company	524
ServiceProviderDescription	[e-newspaper] on your IPTV [News headlines] latest headlines ticker	525
Service Offer Summary		
@PushAddress	100.200.120.40 Port:16000	530
@PullAddress	ABC-enews.com	531
Payload type		
OfferPayloadType@id	0xF0	532
@segmentID	2	533
@segmentVersion	1	534
Service Offer Summary		
@PushAddress	110.210.10.40 Port: 2340	540
@PullAddress	ABC-rss-feed.com	541
Payload type		
OfferPayloadType@id	0xF1	542
@segmentID	3	543
@segmentVersion	1	544

FIG.7

OfferPayload Type@ID Value		SD&S record carried	
0x00		Reserved	800
0x01		Service Provider Discovery Information	810
0x02		Broadcast Discovery Information	811
0x03		Content on Demand Discovery Information	812
0x04		Services from other SPs	813
0x05		Package Discovery Information	814
0x06		Broadcast Content Guide Discovery Information	815
0x07 to 0xEF		Reserved	816
(User Private) 0xF0 to 0xFF	0xF0	E-newspaper	820
	0xF1	RSS	830
	0xF2	:	831
	0xF3	:	
	0xFF	:	

FIG.8

Element / Attribute		Value (example)	
E-newspaper			600
	@DomainName	ABC-Telco.net	610
	@Version (of the Offering Record)	1	611
	Application@Id	23	612
	Name	ABC E-Newspaper	613
	Description	Electronic Newspaper on your IPTV Receive the latest news	614
	Locator	ABC-enewspaper-aws.com	615

FIG.9

Element / Attribute		Value (example)	
RSS feed			700
	@DomainName	ABC-Telco.net	710
	@Version (of the Offering Record)	1	711
	Application@Id	16	712
	Name	ABC RSS feed	713
	Description	RSS ticker on your IPTV Receive the latest news, weather, sports results.	714
	Locator	ABC-rss-feed16 .com	715

FIG.10

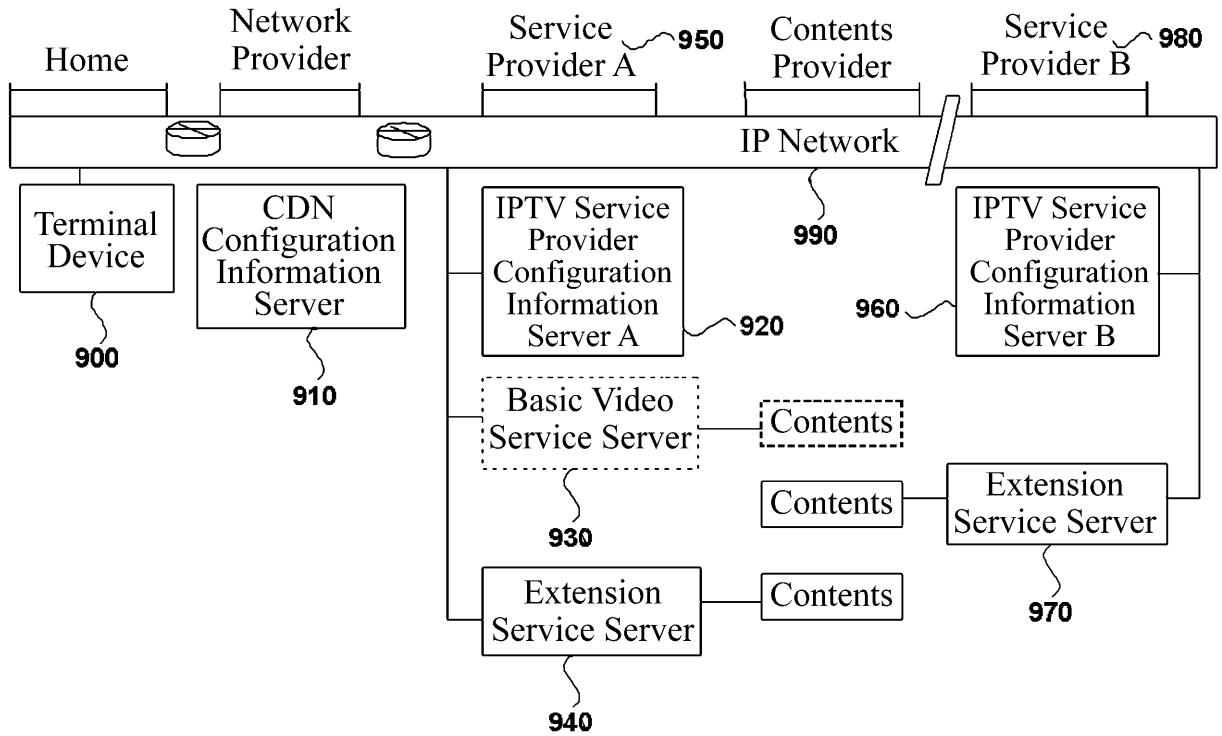


FIG.11

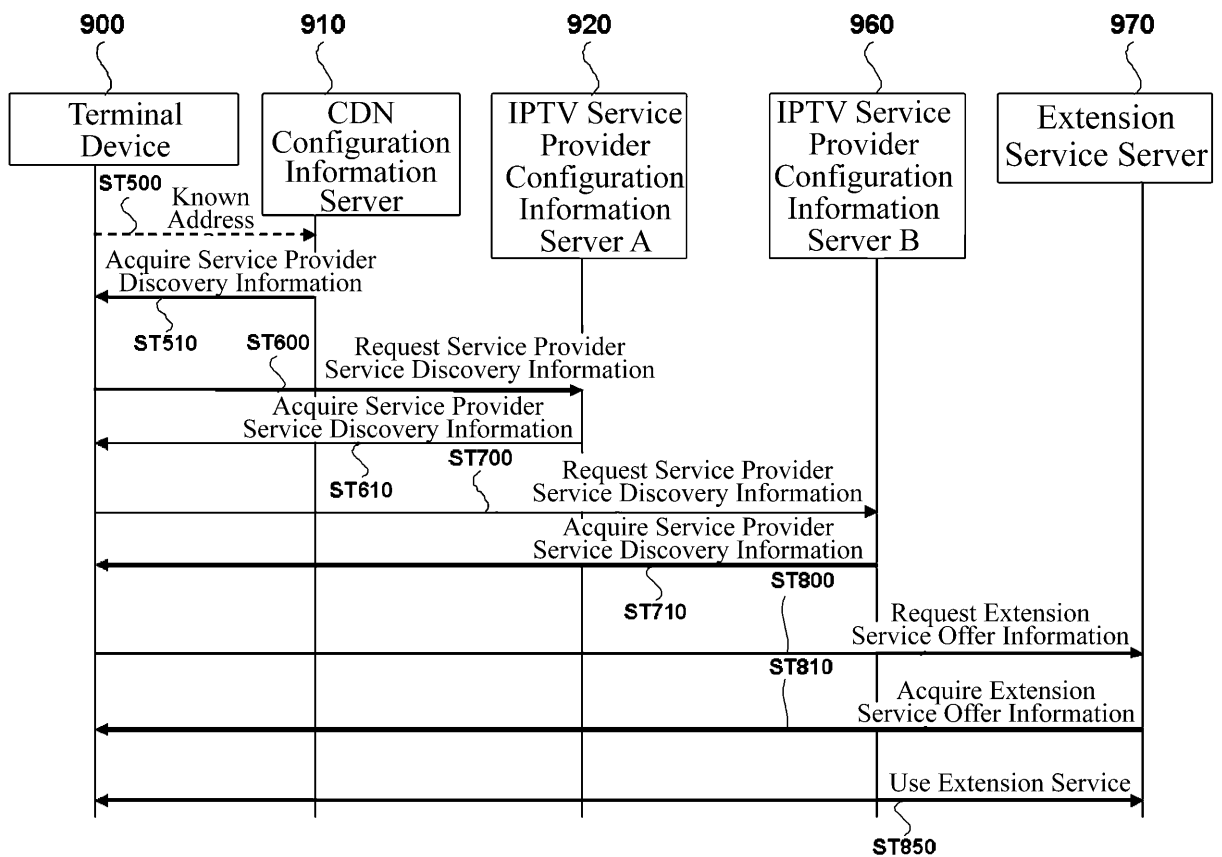


FIG.12

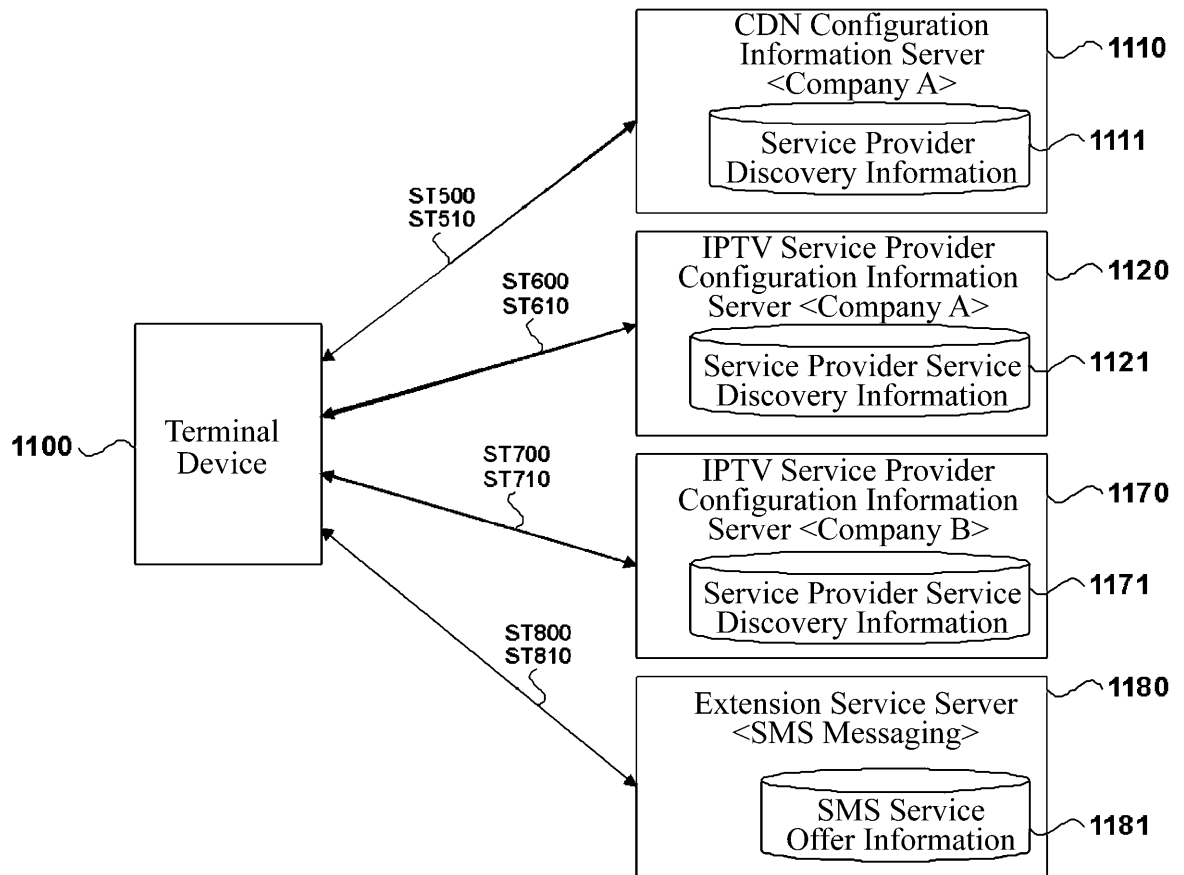


FIG.13

1201		1202		
Element / Attribute		Value (example)		1200
Record				
	@RecordVersion	2		1210
	ServiceProvider			
	@ServiceProviderDomainName	CompanyA.net		1220
	@ServiceProviderAuthority	CompanyA-Aggregator.net		1221
	@ServiceProviderVersion	1		1222
	@ServiceProviderLogoURI	CompanyA.net/ServiceLogo.jpg		1223
	ServiceProviderName	Company A		1224
	ServiceProviderDescription	[Karaoke service] on your IPTV [CompanyB Service Provider] Referenced Service		1225
	Service Offer Summary			
	@PushAddress	100.200.120.40 Port:16000		1230
	@PullAddress	Karaoke-by-A.com		1231
	Payload type			
	OfferPayloadType@id	0xF3		1232
	@segmentID	2		1233
	@segmentVersion	1		1234
	Service Offer Summary			
	@PushAddress	21.230.11.7 Port: 2470		1240
	@PullAddress	CompanyB-webservices.com		1241
	Payload type			
	OfferPayloadType@id	0x04		1242
	@segmentID	7		1243
	@segmentVersion	1		1244

FIG.14

1401		1402		
OfferPayload Type@ID Value		SD&S record carried		1400
0x00		Reserved		1410
0x01		Service Provider Discovery Information		1411
0x02		Broadcast Discovery Information		1412
0x03		Content on Demand Discovery Information		1413
0x04		Services from other SPs		1414
0x05		Package Discovery Information		1415
0x06		Broadcast Content Guide Discovery Information		1416
0x07 to 0xEF		Reserved		1420
(User Private) 0xF0 to 0xFF	0xF0	E-book		1430
	0xF1	SMS Messaging		1431
	0xF2	Email		1432
	0xF3	Karaoke		1433
	:	:		
0xFF				

FIG.15

Element / Attribute	Value (example)	
Record		1300
@RecordVersion	1	1310
ServiceProvider		
@ServiceProviderDomainName	CompanyB.net	1320
@ServiceProviderAuthority	CompanyB-Aggregator.net	1321
@ServiceProviderVersion	1	1322
@ServiceProviderLogoURI	CompanyB.net/ServiceLogo.jpg	1323
Service Provider Name	B Internet Company	1324
ServiceProviderDescription	[SMS] SMS messaging on your IPTV [e-mail] e-mail on your IPTV	1325
Service Offer Summary		
@PushAddress	30.40.230.10 Port:1000	1330
@PullAddress	SMS-CompanyB.com	1331
Payload type		
OfferPayloadType@id	0xF1	1332
@segmentID	1	1333
@segmentVersion	1	1334
Service Offer Summary		
@PushAddress	30.40.231.16 Port: 12340	1340
@PullAddress	CompanyB-Email-gateway.com	1341
Payload type		
OfferPayloadType@id	0xF2	1342
@segmentID	2	1343
@segmentVersion	1	1344

FIG.16

Element / Attribute	Value (example)	
E-newspaper		1500
@DomainName	CompanyB.net	1510
@Version (of the Offering Record)	2	1511
Application@id	45	1512
Name	SMS Messaging	1513
Description	SMS service on your IPTV Receive / acknowledge SMS messages	1514
Locator	CompanyB-SMS.com	1515

FIG.17

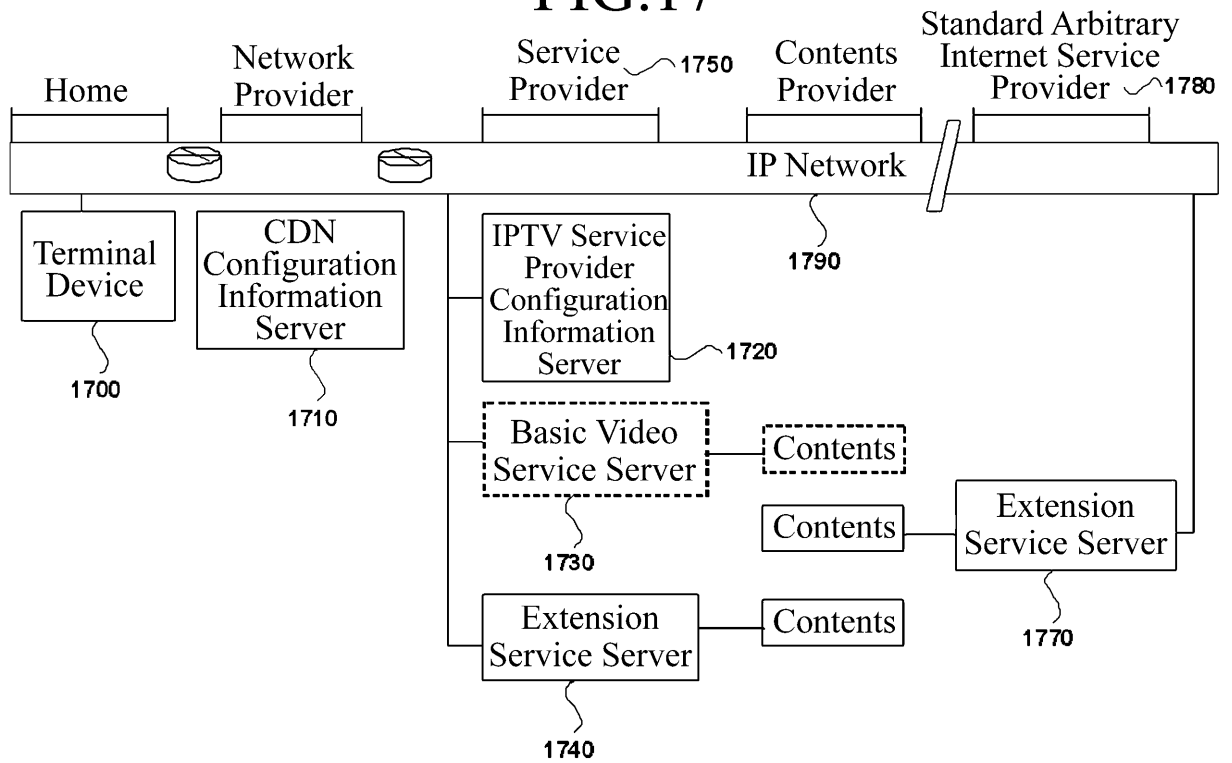


FIG.18

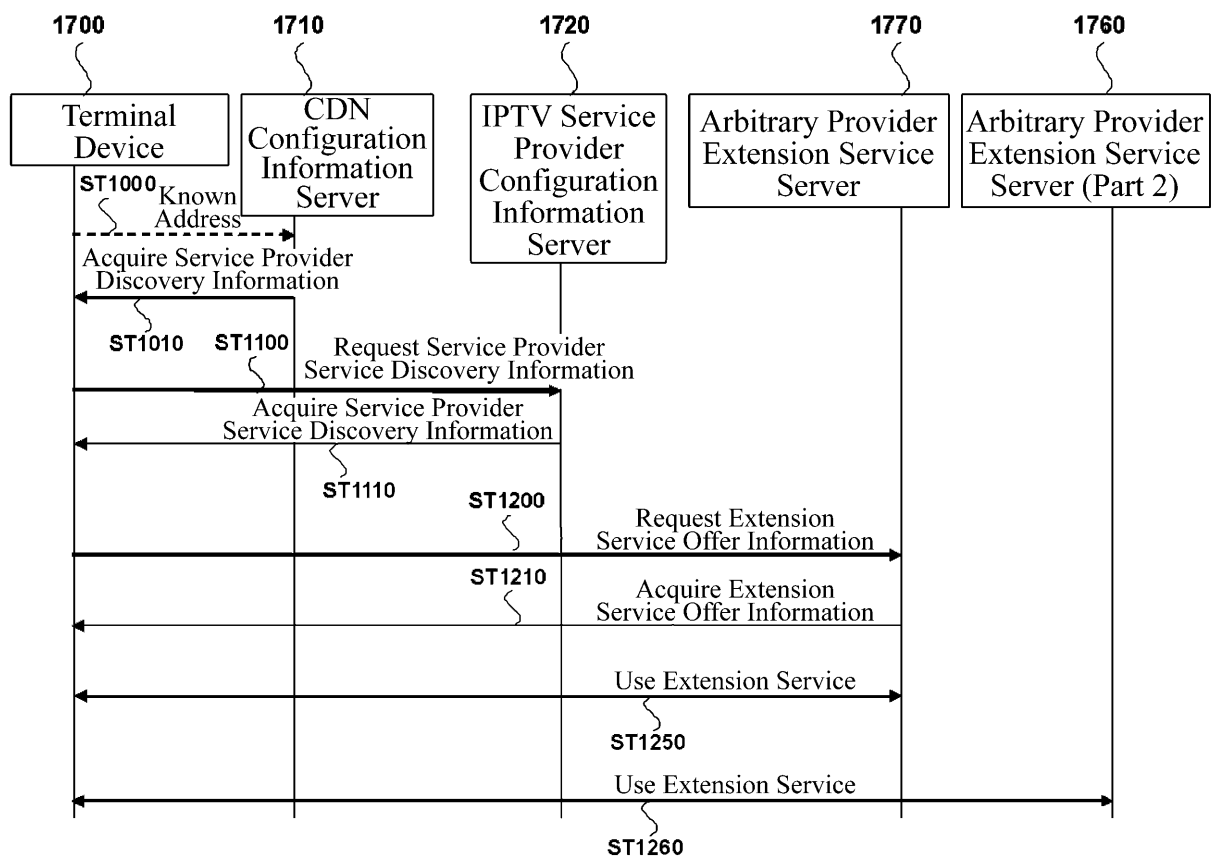


FIG.19

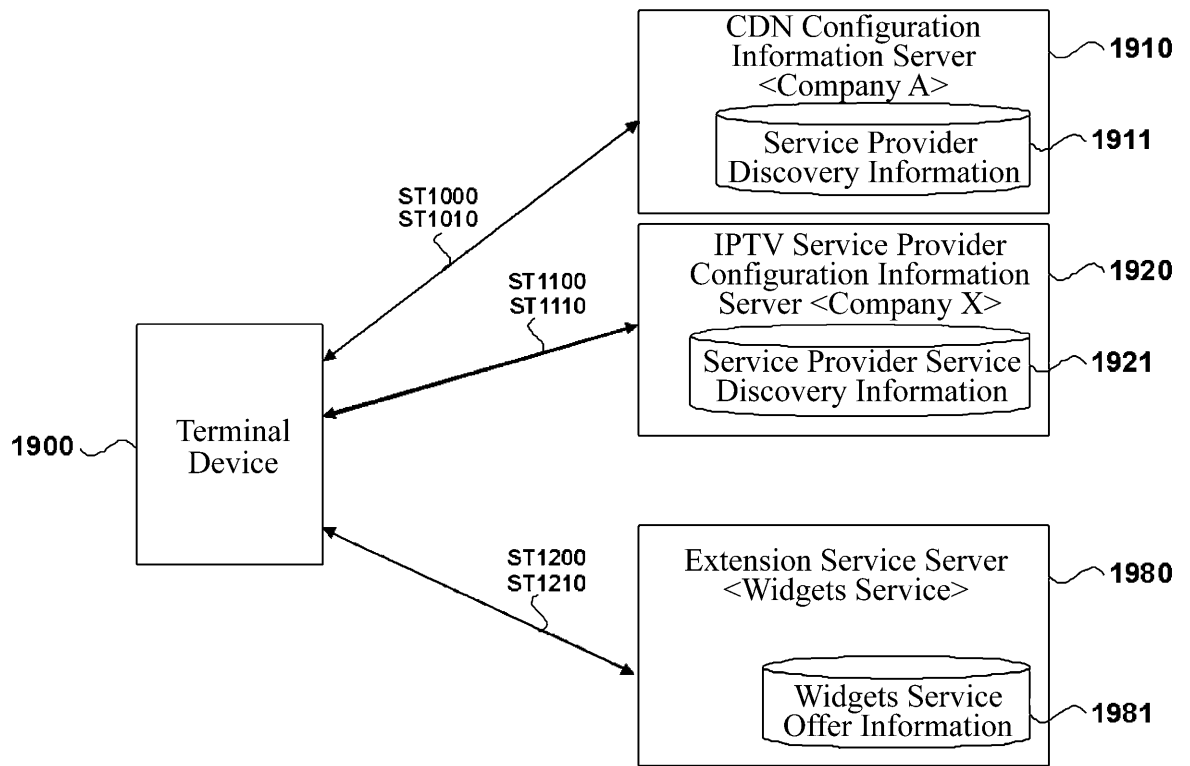


FIG.20

2001		2002		
Element / Attribute		Value (example)		2000
Record				
2001	@RecordVersion	2		2010
	ServiceProvider			
	@ServiceProviderDomainName	CompanyX.net		2020
	@ServiceProviderAuthority	CompanyX-Provider.net		2021
	@ServiceProviderVersion	1		2022
	@ServiceProviderLogoURI	CompanyX.net/ServiceLogo.jpg		2023
	ServiceProviderName	Company X		2024
	ServiceProviderDescription	[Widget Services from the Internet] Open Internet		2025
	Service Offer Summary			
	@PushAddress	100.200.120.40 Port:16000		2030
	@PullAddress	WidgetRepositoryOpenInternet.com		2031
	Payload type			
	OfferPayloadType@id	0xF0		2032
	@segmentID	2		2033
	@segmentVersion	1		2034
	@WebPortalURL	Web-WidgetsOpenInternet.com		2035
	Service Offer Summary			
	@PushAddress	80.100.220.140 Port:15000		2036
	@PullAddress	WidgetsInternet.com		2037
	Payload type			
	OfferPayloadType@id	0xF0		2038
	@segmentID	1		2039
	@segmentVersion	3		2040
	@WebPortalURL	Web-WidgetsInternet.com		2041

FIG.21

2101		2102		
OfferPayload Type@ID Value		SD&S record carried		2100
0x00		Reserved		2110
0x01		Service Provider Discovery Information		2111
0x02		Broadcast Discovery Information		2112
0x03		Content on Demand Discovery Information		2113
0x04		Services from other SPs		2114
0x05		Package Discovery Information		2115
0x06		Broadcast Content Guide Discovery Information		2116
0x07 to 0xEF		Reserved		2120
(User Private) 0xF0 to 0xFF	0xF0	Open Internet Widget Services		2130
	0xF1	:		
	0xF2			
	0xF3			
	:	:		
0xFF				

FIG.22

Element / Attribute	Value example (explanation)	
Widgets Services		2200
@DomainName	WidgetsAnyCompany.net	2203
@Version (of the Offering Record)	3	2204
CalendarWidget		
Application@Id	231	2210
Name	CalendarWidget	2211
Description	Schedule / calendar service on your IPTV	2212
Author	Any company	2213
License	(Usage conditions)	2214
Language	en (English)	2215
minver	(minimum version to run the widget)	2216
maxver	(maximum version to run the widget)	2217
Rating	2 (popularity ranking)	2218
Downloads	1222 (number of downloads)	2219
Added	2008.6.1 (date of addition)	2220
Updated	2009.1.1 (latest update date)	2221
Picked	1	2222
Tag	(tags describing widget)	2223
Locator	calendarwidget.AnyCompany.com	2224
PhotoWidget		
Application@Id	9375	2230
Name	PhotoWidget	2231
Description	Photo Album Service on your IPTV	2232
Author	Any company	2233
License	(Usage conditions)	2234
Language	jp (Japanese)	2235
minver	(minimum version to run the widget)	2236
maxver	(maximum version to run the widget)	2237
Rating	54 (popularity ranking)	2238
Downloads	7522 (number of downloads)	2239
Added	2008.9.1 (date of addition)	2240
Updated	2009.2.1 (latest update date)	2241
Picked	0	2242
Tag	(tags describing widget)	2243
Locator	PhotoWidget.com	2244

FIG.23

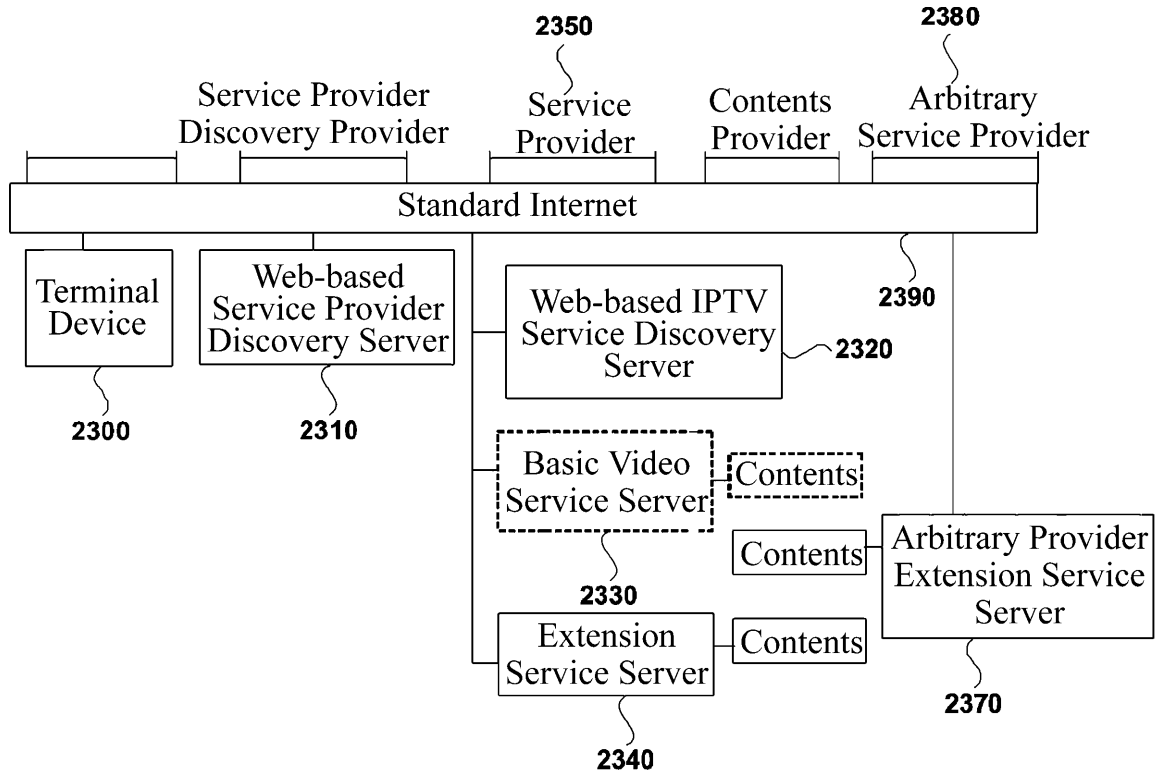


FIG.24

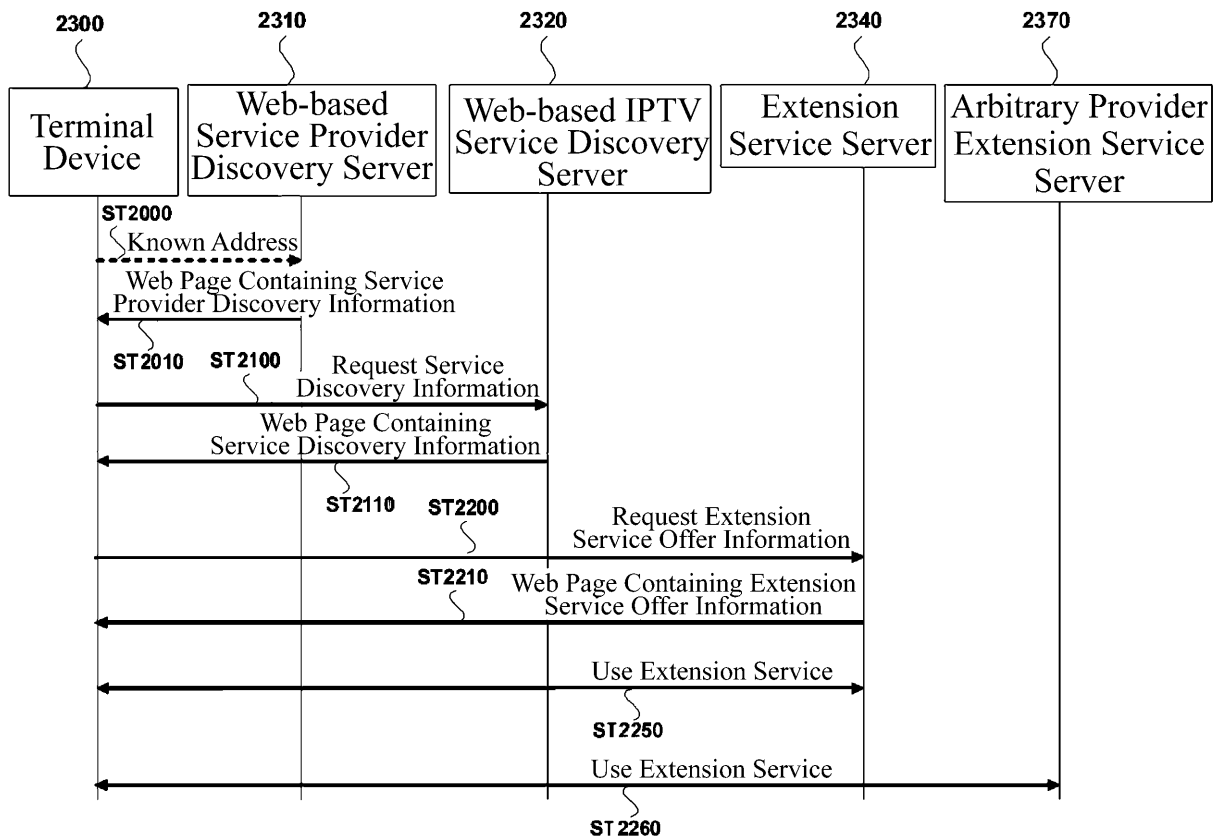


FIG.25

