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	9	DISTRICT C	F NEVAI	DA			
	10	* *	*				
	11	VOIP-PAL.COM, INC., a Nevada corporation,	$C\Delta$	SE NO.:			
	12		CA	5E 110			
	13	Plaintiff,					
	14	v.	CH	ART 4 TO EXHIBIT F			
	15	VERIZON WIRELESS SERVICES, LLC, a	AS	SERTED CLAIMS AND			
SC (707)	16	Delaware limited liability corporation; VERIZON COMMUNICATIONS, INC., a		FRINGEMENT CONDITIONS AS AINST THE AT&T ENTITIES			
	17	Delaware corporation; AT&T, INC., a	AG	AINST THE AT&T ENTITIES			
	18	Delaware corporation; AT&T CORP., a Delaware corporation; and DOES I through X,					
	19	inclusive,					
	20	Defendants.					
	21						
	22	CHART 4 TO FXHIBIT F					
	23	CHART SUPPORTING ASSERTED CLAIN					
	24	CONCERNING U.S. P	ALENII	10. 9,179,005			
	25	AT&T, Inc. and AT&T Corp. (collective	ly, "AT&	T") offer Voice over IP products and			
	26	services ("AT&T VoIP") utilizing equipment at the customer or business premises and a collection of servers and gateways. AT&T practices certain claims of U.S. Patent 9,179,005 ("the '00.					
	27						
	28	Patent") as illustrated in the chart below.					
				VPLM0040			

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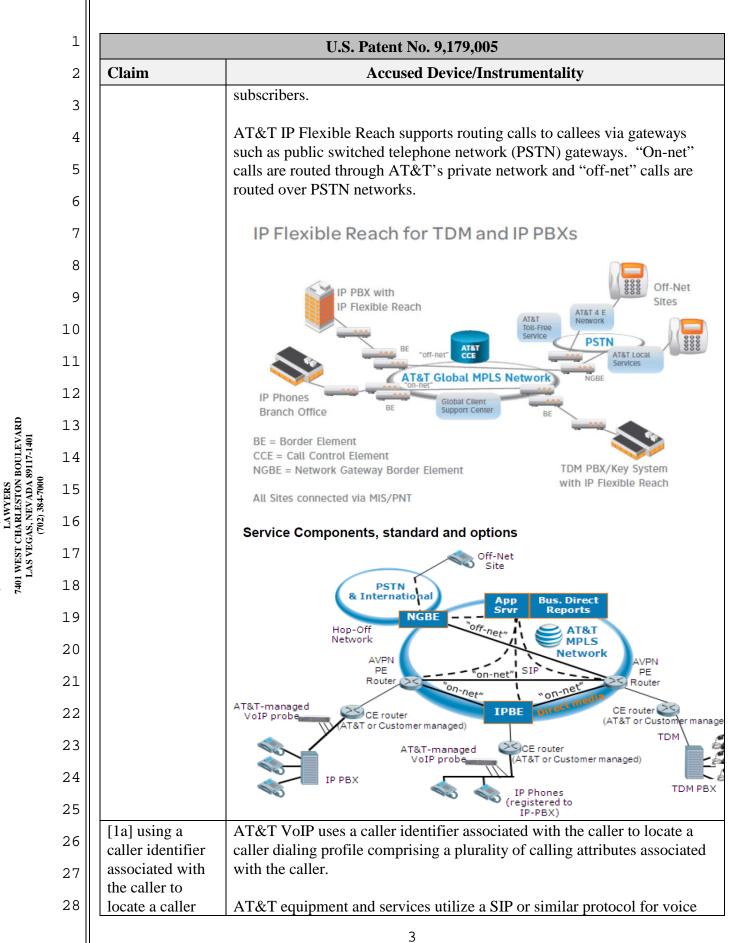
1

AT&T on-premises equipment initiates a call and identifies a caller, or first participant, and a callee, or second participant. The callee or second participant may be an AT&T subscriber, or a non-subscriber. A profile that includes attributes is used as part of the process that classifies the call.

This chart applies claims 1, 24 – 26, 49, 50, 73 – 79, 83, 84, 88, 89, 92, 94 – 96, 98 and 99 of the '005 Patent to AT&T VoIP.

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
1. [1p] A process for producing a	AT&T VoIP produces a routing message for routing communications between a caller and a callee in a communication system.
routing message for routing communications	AT&T offers VoIP services to home users and business customers via their U-Verse Voice service. AT&T enterprise products and services include
between a caller and a callee in a	AT&T Voice DNA, AT&T IP Flexible Reach, AT&T SIP Trunking, AT&T Hosted VoIP, AT&T Business in a Box and AT&T UC Voice.
communication	
system, the process	AT&T's U-Verse Voice service uses a VSDL gateway at the customer premises is coupled to a DSL connection to the AT&T network.
comprising:	
	Wax jack
	Escritca
	WILE Catoway Images are not to scale.
	The VDSL gateway is attached to a local phone and allows phone calls to
	others anywhere in the world, to both AT&T subscribers and to non-
	2

VPLM00407



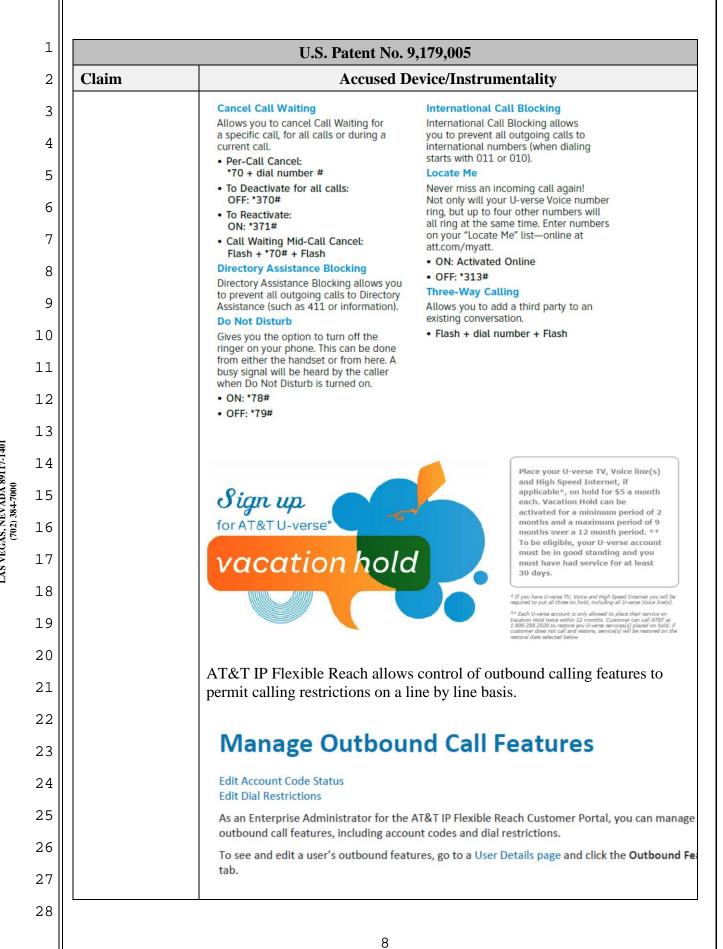
ALVERSON, TAYLOR, MORTENSEN & SANDERS

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
dialing profile	call initiation. In the SIP protocol an "INVITE" message is used as part o
comprising a plurality of	the call setup process, such as is described in RFC 3261. The caller identifier includes information in the "From:" part of the SIP invite
calling attributes	message, which includes a phone number of the caller and/or another
associated with the caller;	identification of the caller device. Calling attributes are looked up by on- premises equipment and/or by one or more AT&T servers based on the
the caner,	caller identifier.
	A caller dialing profile including calling attributes includes information
	used in the classification of a call, such as settings stored on the on-
	premises equipment, information stored on AT&T servers, and/or
	information obtained regarding the connection of the caller device to the network.
[1b] when at	AT&T VoIP determines if at least one of the calling attributes and at least
least one of said	portion of a callee identifier associated with the callee meet private
calling attributes	network classification criteria.
and at least a portion of a	AT&T VoIP allows calls to be made using AT&T's private network and
callee identifier associated with	over a public network such as the PSTN. The callee identifier includes a phone number associated with the callee. Private network classification
the callee meet	criteria represents routing calls over AT&T's private network. Calling
private network classification	attributes are used to establish a private network classification criteria.
criteria,	One example of calling attributes being used to establish private network
	classification criteria is the use of caller related information to interpret the callee identifier. The callee identifier may need to be interpreted according
	to the location from which the caller is registered and/or the location from which the caller is currently located, for example to handle international,
	national and local dialing patterns, or to interpret local extension numbers within an enterprise. Also, abbreviated dialing patterns such as 311, 511
	and 811 are handled according to a local calling area. An emergency
	address is needed in the case of 911 calls that are handled using AT&T VoIP. For example, AT&T UC Voice allows a dialing plan to be
	configured to set up a dialing pattern for individual lines.
	Configure Dial Plan
	In the examples shown below, four normalization rules created under the Global dial plan are
	normalize enterprise voice calls. The rules normalize 4-digit and 10-digit numbers dialed in Ly corresponding E.164 numbers, along with calls to international phone numbers and 7-digit nu UC Voice users.
	Another example of calling attributes being used to establish private network classification criteria is the use of caller account status
	4

U.S. Patent No. 9,179,005		
Claim	Accused D	evice/Instrumentality
		ne caller is active and has not blocked
		and the callee is an AT&T subscriber, the
		T's private network. The caller account
		outgoing calls, such as international calls
	specific numbers.	ount could also be set up to block calls to
	specific numbers.	
	Cancel Call Waiting	International Call Blocking
	Allows you to cancel Call Waiting for	International Call Blocking allows
	a specific call, for all calls or during a current call.	you to prevent all outgoing calls to international numbers (when dialing
	 Per-Call Cancel: *70 + dial number # 	starts with 011 or 010).
	To Deactivate for all calls:	Never miss an incoming call again!
	OFF: *370# • To Reactivate:	Not only will your U-verse Voice number ring, but up to four other numbers will
	ON: *371#	all ring at the same time. Enter numbers on your "Locate Me" list—online at
	 Call Waiting Mid-Call Cancel: Flash + *70# + Flash 	att.com/myatt.
	Directory Assistance Blocking	 ON: Activated Online OFF: *313#
	Directory Assistance Blocking allows you to prevent all outgoing calls to Directory	Three-Way Calling
	Assistance (such as 411 or information). Do Not Disturb	Allows you to add a third party to an existing conversation.
	Gives you the option to turn off the	Flash + dial number + Flash
	ringer on your phone. This can be done from either the handset or from here. A	
	busy signal will be heard by the caller when Do Not Disturb is turned on.	
	• ON: *78#	
	• OFF: *79#	
		Place your U-verse TV, Voice line(s)
	0:	and High Speed Internet, if applicable*, on hold for \$5 a month
	Sign up	each. Vacation Hold can be activated for a minimum period of 2
	for AT&T U-verse*	months and a maximum period of 9 months over a 12 month period. **
	vacation hold	To be eligible, your U-verse account must be in good standing and you must have had service for at least
	vacution nois	30 days.
		* If you have U-verse TV, Voice and High Speed Internet you will i required to put all three on hold, including all U-verse Voice line(s,
		** Each Urverse account is only allowed to place their service on Vacation hold twice which II 2 months. Customer can call ATAT at 1.000.283.2020 to restore any U-verse service(i) placed on hold; customer does not call and restore, service(s) will be restored on i
		customer does not call and restore, service(5) will be restored on t restoral date selected below.
	permit calling restrictions on a li	s control of outbound calling features to
		ine by fine basis.
L	1	

		U.S. Patent No. 9,179,005
Claim		Accused Device/Instrumentality
		Manage Outbound Call Features
		Edit Account Code Status Edit Dial Restrictions
		As an Enterprise Administrator for the AT&T IP Flexible Reach Customer Portal, you can manage outbound call features, including account codes and dial restrictions.
		To see and edit a user's outbound features, go to a User Details page and click the Outbound Fe tab.
		About Dial Restrictions
		Dial restrictions are limitations that you can put on a group's outgoing calls. You can also set custor restrictions for individuals.
		Using dial restrictions, you can block users from making certain types of call, such as calls to interna or toll-free numbers. You can also use dial restrictions to require an authorization code for certain t of outgoing calls.
		Dial restrictions can be used with these types of calls:
		Intra-enterprise
		Domestic
		Toll-free
		International
		Operator Assistance
		Directory Assistance
		You can view and edit dial restrictions for groups from the Settings tab on a Group Details page.
		You can view and edit dial restrictions for individual users from the Outbound Features tab of a Us Details page.
		Another example of calling attributes being used to establish private
		network classification criteria is determining if the caller account has sufficient authorization to process a charge associated with the
		communication. If a call involves a charge and the caller account can process the charge, and the callee is an AT&T subscriber, then the call can
		be made using AT&T's private network.
-	oducing a network	AT&T VoIP produces a private network routing message for receipt by a call controller which identifies an address on the private network
routing	g message	associated with the callee.
call co	eipt by a ntroller,	The AT&T operated controller routes the call using a routing message to
said pr	ivate k routing	its own subscriber over its private network.
messag	-	
	, ₅ uii	6

1		U.S. Patent No. 9,179,005			
2	Claim	Accused Device/Instrumentality			
3	address, on the private network,				
4	associated with the callee; and				
5	the curree, and				
б	[1d] when at least one of said	AT&T VoIP determines if at least one of the calling attributes and at least a portion of the callee identifier meet public network classification criteria.			
7	calling attributes and at least a	AT&T VoIP allows calls to be made using AT&T's private network and			
8	portion of said	over a public network such as the PSTN. Public network classification			
9	callee identifier meet a public	criteria represents routing calls over a public network such as the PSTN. Calling attributes are used to establish a public network classification			
10	network classification	criteria.			
11	criterion,	One example of calling attributes being used to establish public network classification criteria is the use of caller related information to interpret the			
12		callee identifier. The callee identifier may need to be interpreted according			
13		to the location from which the caller is registered and/or the location from which the caller is currently located, for example to handle international,			
14 15		national and local dialing patterns, or to interpret local extension numbers within an enterprise. Also, abbreviated dialing patterns such as 311, 511 and \$11 are handled according to a local calling area. An emergency			
16		and 811 are handled according to a local calling area. An emergency address is needed in the case of 911 calls that are handled using AT&T			
17		VoIP. For example, AT&T UC Voice allows a dialing plan to be configured to set up a dialing pattern for individual lines.			
18		Configure Dial Plan			
19		In the examples shown below, four normalization rules created under the Global dial plan are use			
20		normalize enterprise voice calls. The rules normalize 4-digit and 10-digit numbers dialed in Lync t corresponding E.164 numbers, along with calls to international phone numbers and 7-digit number UC Voice users.			
21					
22		Another example of calling attributes being used to establish public network classification criteria is the use of caller account status			
23		information. If the account of the caller is active and has not blocked communication with the callee and the callee is not an AT&T subscriber,			
24		then the call must be made using a public network such as the PSTN. The			
25		caller account could be set up to block certain outgoing calls, such as international calls or toll destinations. The caller account could also be set			
26		up to block calls to specific numbers.			
27		·			
28					



		U.S. Patent No. 9,179,005
2	Claim	Accused Device/Instrumentality
3		About Dial Restrictions
1		Dial restrictions are limitations that you can put on a group's outgoing calls. You can also set custon restrictions for individuals.
5		Using dial restrictions, you can block users from making certain types of call, such as calls to interna or toll-free numbers. You can also use dial restrictions to require an authorization code for certain t of outgoing calls.
		Dial restrictions can be used with these types of calls:
7		Intra-enterprise
		Domestic
		Toll-free
		International
		Operator Assistance
_		Directory Assistance
2		You can view and edit dial restrictions for groups from the Settings tab on a Group Details page.
		You can view and edit dial restrictions for individual users from the Outbound Features tab of a Use Details page.
		betans page.
		Another example of calling attributes being used to establish public network classification criteria is determining if the caller account has
		sufficient authorization to process a charge associated with the
		communication. If a call involves a charge and the caller account can process the charge, and the callee is not an AT&T subscriber, then the call
		must be made using a public network such as the PSTN.
	[1e] producing a public network	AT&T VoIP produces a public network routing message for receipt by a call controller which identifies a gateway to the public network.
)	routing message for receipt by the	If a call is made over a public network, the AT&T operated controller
	call controller,	routes the call using a routing message to a gateway associated with a
-	said public network routing	public network such as the PSTN.
2	message identifying a	
3	gateway to the	
1	public network.	
5	24. The process	AT&T VoIP causes the private network routing message or the public
5	of claim 1, further	network routing message to be communicated to a call controller to effect routing of the call.
,	comprising	
5	causing the private network	AT&T VoIP uses a call routing controller apparatus that includes the on- premises equipment and/or AT&T operated equipment.
		9

	U.S. Patent No. 9,179,005		
Claim		Accused Device/Instrumentality	
routing or the pr	message		
	routing		
message			
a call co	nicated to		
	routing		
of the ca	all.		
25. A no	on-	AT&T VoIP includes a non-transitory computer readable medium encode	
transitor	y	with codes for directing a processor to execute the method of claim 1.	
compute	er e medium	AT&T VoIP uses processors with instructions in the on-premises	
encoded		equipment and/or AT&T operated equipment.	
codes fo			
directing processo	-	See claim elements [1p], [1a], [1b], [1c], [1d] and [1e].	
execute	the		
	of claim		
1.			
26. [26p] A call	AT&T VoIP include a call routing controller apparatus for producing a	
routing controlle	or	routing message for routing communications between a caller and a caller in a communication system.	
apparatu		in a communication system.	
producin	0	AT&T VoIP uses a call routing controller apparatus that includes the on-	
for routing	message	premises equipment and/or AT&T operated equipment.	
	nications	See claim element [1p].	
	a caller		
and a ca	llee in a		
system,	the		
apparatu compris			
	···· _E .		
	least one	AT&T VoIP includes at least one processor.	
processo		AT&T VoIP uses processors with instruction in the on-premises equipme	
configur		and/or AT&T operated equipment.	
[26b] us	e a caller	See claim element [1a].	
identifie	er		

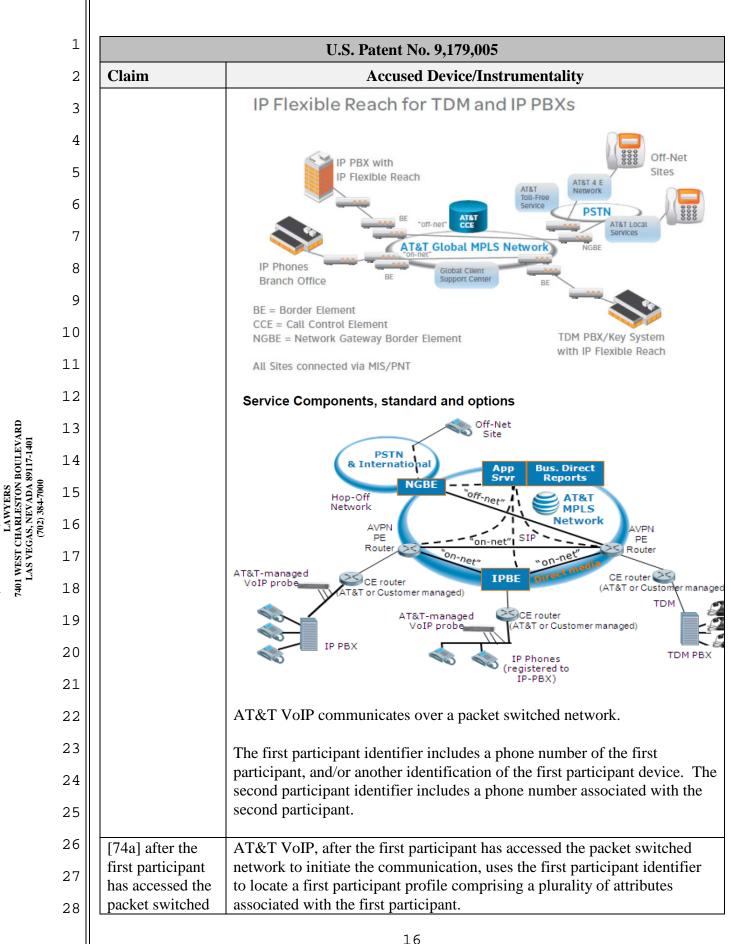
he caller to bocate a caller lialing profile omprising a hurality of alling attributes ssociated with he caller; 26c] when at east one of said alling attributes nd at least a
lialing profile omprising a blurality of alling attributes ssociated with he caller;See claim element [1b].26c] when at east one of said alling attributes nd at least aSee claim element [1b].
locate a caller dialing profile comprising a plurality of calling attributes associated with the caller;[26c] when at least one of said calling attributes and at least aSee claim element [1b].
dialing profile comprising a plurality of calling attributes associated with the caller;See claim element [1b].[26c] when at least one of said calling attributes and at least aSee claim element [1b].
comprising a plurality of calling attributes associated with the caller; [26c] when at [26c] when at See claim element [1b]. least one of said calling attributes and at least a [26c] when at
plurality of calling attributes associated with the caller;
calling attributes associated with the caller; [26c] when at least one of said calling attributes and at least a
the caller; [26c] when at [26c] when at See claim element [1b]. least one of said calling attributes and at least a Image: state of the st
26c] when at See claim element [1b]. east one of said and at least a
east one of said calling attributes and at least a
east one of said calling attributes and at least a
calling attributes and at least a
and at least a
callee identifier
associated with
he callee meet
private network classification
criteria,
26d] produce aSee claim element [1c].
private network
outing message
For receipt by a sector of the
call controller, said private
network routing
nessage
identifying an
address, on the
private network,
associated with
he callee; and
[26e] when at See claim element [1d].
least one of said
calling attributes
and at least a
portion of said
callee identifier
meet a public network

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
classification	
criterion,	
[26f] produce a	See claim element [1e].
public network	see chann choment [10].
routing message	
for receipt by the	
call controller,	
said public	
network routing	
message	
identifying a gateway to the	
public network.	
r	
49. The	AT&T VoIP causes the private network routing message or the public
apparatus of	network routing message to be communicated to a call controller to effect
claim 26,	routing of the call.
wherein said at	
least one	AT&T VoIP uses a call controller that includes the on-premises equipment
processor is further operably	and/or AT&T operated equipment.
configured to	
cause the private	
network routing	
message or the	
public network	
routing message	
to be communicated to	
a call controller	
to effect routing	
of the call.	
50. [50p] A call	AT&T VoIP includes a call routing controller apparatus for producing a
routing	routing message for routing communications between a caller and a caller
controller	in a communication system.
apparatus for producing a	AT&T VoIP uses a call routing controller apparatus that includes the on-
routing message	premises equipment and/or AT&T operated equipment.
for routing	premises equipment una or rifer operated equipment.
communications	See claim element [1p].
between a caller	
and a callee in a	

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
communication	
system, the	
apparatus	
comprising:	
[[[]]]	
[50a] means for	See claim element [1a].
using a caller	
identifier	
associated with	
the caller to locate a caller	
dialing profile	
comprising a	
plurality of calling attributes	
associated with	
the caller; and	
ine caner, allu	
[50b] means for,	See claim element [1b].
when at least one	See chann clement [10].
of said calling	
attributes and at	
least a portion of	
a callee identifier	
associated with	
the callee meet	
private network	
classification	
criteria,	
,	
[50c] producing	See claim element [1c].
a private network	
routing message	
for receipt by a	
call controller,	
said private	
network routing	
message	
identifying an	
address, on the	
private network,	
associated with	
the callee; and	
	13

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
[50d] means for, when at least one of said calling attributes and at least a portion of said callee identifier meet a public network classification criterion,	See claim element [1d].
[50e] producing a public network routing message for receipt by the call controller, said public network routing message identifying a gateway to the public network.	See claim element [1e].
apparatus of claim 50, further comprising means for causing the private network routing message or the public network routing message to be communicated to a call controller to effect routing of the call.	See claim element [49].
method of routing	AT&T VoIP routes communications in a packet switched network in wh a first participant identifier is associated with a first participant and a second participant identifier is associated with a second participant in a communication.

-	U.S. Patent No. 9,179,005
2 Claim	Accused Device/Instrumentality
switched network in which a first participant identifier is associated with a first participant identifier is associated with a second participant identifier is associated with a second participant in a communication, the method comprising:	T&T offers VoIP services to home users and business customers via their U-Verse Voice service. AT&T enterprise products and services include AT&T Voice DNA, AT&T IP Flexible Reach, AT&T SIP Trunking, AT&T Hosted VoIP, AT&T Business in a Box and AT&T UC Voice. AT&T's U-Verse Voice service uses a VSDL gateway at the customer premises is coupled to a DSL connection to the AT&T network. Image: the theorem of theorem of the t



ALVERSON, TAYLOR, MORTENSEN & SANDERS

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
network to initiate the	ATET a suinement and assuince stilling a SID on similar moto cal for using
communication, using the first	AT&T equipment and services utilize a SIP or similar protocol for voice call initiation. In the SIP protocol an "INVITE" message is used as part of the call setup process, such as is described in RFC 3261. The first
participant identifier to	participant identifier includes information in the "From:" part of the SIP invite message, which includes a phone number of the first participant
locate a first participant	and/or another identification of the first participant device. Attributes are looked up by on-premises equipment or by one or more AT&T servers
profile comprising a	based on the first participant identifier.
plurality of attributes	A call is initiated by the on-premises equipment beginning with the establishment of communication between the device and a server operated
associated with the first	by AT&T. A first participant profile including attributes includes information used in the classification of a call, such as settings stored on
participant;	the on-premises device, information stored on the AT&T servers, and/or information obtained regarding the connection of the first participant
	device to the network.
[74b] when at	AT&T VoIP determines if at least one of the first participant attributes and
least one of the first participant	at least a portion of the second participant identifier meet a first network classification criterion.
attributes and at	
least a portion of the second	AT&T VoIP allows calls to be made using AT&T's private network and over a public network such as the PSTN. First network classification
participant identifier meet a	criteria represents routing calls over AT&T's private network. First participant attributes are used to establish a first network classification
first network classification	criteria.
criterion,	One example of first participant attributes being used to establish first network classification criteria is the use of first participant related
	information to interpret the second participant identifier. The second participant identifier may need to be interpreted according to the location
	from which the first participant is registered and/or the location from which the first participant is currently located, for example to handle
	international, national and local dialing patterns, or to interpret local
	extension numbers within an enterprise. Also, abbreviated dialing patterns such as 311, 511 and 811 are handled according to a local calling area. An
	emergency address is needed in the case of 911 calls that are handled using AT&T VoIP. For example, AT&T UC Voice allows a dialing plan to be
	configured to set up a dialing pattern for individual lines.

	U.S. Patent No. 9	0,179,005
Claim	Accused D	evice/Instrumentality
	Configure Dial Plan	
	normalize enterprise voice calls. The rul	nalization rules created under the Global dial plan a es normalize 4-digit and 10-digit numbers dialed in th calls to international phone numbers and 7-digit r
	Another example of first particit	oant attributes being used to establish fir
		the use of first participant account statu
		he first participant is active and has not
		e second participant, and the second er, then the call can be made using
		irst participant account could be set up t
l		h as international calls or toll destination
	numbers.	uld also be set up to block calls to specif
	Cancel Call Waiting	International Call Blocking
	Allows you to cancel Call Waiting for a specific call, for all calls or during a	International Call Blocking allows you to prevent all outgoing calls to
	current call. • Per-Call Cancel:	international numbers (when dialing starts with 011 or 010).
	*70 + dial number #To Deactivate for all calls:	Locate Me Never miss an incoming call again!
	OFF: *370# • To Reactivate:	Not only will your U-verse Voice number ring, but up to four other numbers will
	ON: *371# • Call Waiting Mid-Call Cancel:	all ring at the same time. Enter numbers on your "Locate Me" list—online at att.com/myatt.
	Flash + *70# + Flash Directory Assistance Blocking	ON: Activated Online
	Directory Assistance Blocking allows you to prevent all outgoing calls to Directory	• OFF: *313# Three-Way Calling
	Assistance (such as 411 or information). Do Not Disturb	Allows you to add a third party to an existing conversation.
	Gives you the option to turn off the ringer on your phone. This can be done	• Flash + dial number + Flash
	from either the handset or from here. A busy signal will be heard by the caller	
	when Do Not Disturb is turned on. • ON: *78#	
	• OFF: *79#	

		U.S. Patent No. 9,179,005
	Claim	Accused Device/Instrumentality
		Sign up for AT&T U-verse* Vacation hold of standing and your U-verse TV, Voice line(st and High Speed Internet, if applicable*, on hold for \$5 a month each. Vacation Hold can be activated for a minimum period of st months over a 12 month period. ** To be eligible, your U-verse account must be in good standing and you must have had service for at least 30 days.
		rescoral date selectilit berow.
		AT&T IP Flexible Reach allows control of outbound calling features to permit calling restrictions on a line by line basis.
		permit cannig restrictions on a nile by nile basis.
		Manage Outbound Call Features
ŗ		Edit Account Code Status Edit Dial Restrictions
		As an Enterprise Administrator for the AT&T IP Flexible Reach Customer Portal, you can a outbound call features, including account codes and dial restrictions.
		To see and edit a user's outbound features, go to a User Details page and click the Outbo tab.
		About Dial Restrictions
		Dial restrictions are limitations that you can put on a group's outgoing calls. You can also se restrictions for individuals.
		Using dial restrictions, you can block users from making certain types of call, such as calls to or toll-free numbers. You can also use dial restrictions to require an authorization code for of outgoing calls.
		Dial restrictions can be used with these types of calls:
		Intra-enterprise
		Domestic
		Toll-free
		International Operator Assistance
		Directory Assistance
		You can view and edit dial restrictions for groups from the Settings tab on a Group Details p
		You can view and edit dial restrictions for individual users from the Outbound Features tab
		Details page.
		Another example of first participant attributes being used to establish f

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
	network classification criteria is determining if the first participant accoun has sufficient authorization to process a charge associated with the
	communication. If a call involves a charge and the first participant account can process the charge, and the second participant is an AT&T subscriber, then the call can be made using AT&T's private network.
[74c] producing a first network	AT&T VoIP produces a first network routing message for receipt by a controller which identifies an address, associated with the second participant, in a first portion of the packet switched network, which is
routing message for receipt by a controller, the	controlled by an entity.
first network	The AT&T operated controller routes the call using a routing message to
routing message identifying an	its own subscriber over its private network.
address in a first portion of the	
packet switched	
network, the address being	
associated with the second	
participant, the	
first portion being controlled	
by an entity; and	
[74d] when at	AT&T VoIP determines if at least one of the first participant attributes an
least one of the first participant	at least a portion of the second participant identifier meet a second networ classification criterion.
attributes and at	
least a portion of the second	AT&T VoIP allows calls to be made using AT&T's private network and over a public network such as the PSTN. Second network classification
participant identifier meet a	criteria represents routing calls over a public network such as the PSTN. First participant attributes are used to establish a second network
second network classification	classification criteria.
criterion,	One example of first participant attributes being used to establish second
	network classification criteria is the use of first participant related information to interpret the second participant identifier. The second
	participant identifier may need to be interpreted according to the location from which the first participant is registered and/or the location from which
	the first participant is currently located, for example to handle international, national and local dialing patterns, or to interpret local
	extension numbers within an enterprise. Also, abbreviated dialing pattern

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	2	Claim Accused Device/Instrumentality
	3 4	such as 311, 511 and 811 are handled according to a local calling area. An emergency address is needed in the case of 911 calls that are handled using AT&T VoIP. For example, AT&T UC Voice allows a dialing plan to be configured to set up a dialing pattern for individual lines.
	5 6	Configure Dial Plan
	7 8	In the examples shown below, four normalization rules created under the Global dial plan are use normalize enterprise voice calls. The rules normalize 4-digit and 10-digit numbers dialed in Lync t corresponding E.164 numbers, along with calls to international phone numbers and 7-digit number UC Voice users.
ALVERSON, TAYLOR, MORTENSEN & SANDERS LAWYERS 7401 WEST CHARLESTON BOULEVARD LAS VEGAS, NEVADA 89117-1401 (702) 3847000	9 10 11 12 13 14 15 16 17 18 19	Another example of first participant attributes being used to establish second network classification criteria is the use of first participant account status information. If the account of the first participant is active and has not blocked communication with the second participant is not an AT&T subscriber, then the call must be made using a public network such as the PSTN. The first participant account could be set up to block certain outgoing calls, such as international calls or toll destinations. The first participant account could also be set up to block certain outgoing calls, such as international calls or toll destinations. The first participant account could also be set up to block calls to specific all for all calls or during a current call. • Per-Call Cancel: • To Deactivate for all calls: OFF: *370# • To Reactivate: ON: *371# • Call Waiting Mid-Call Cancel: • Cancel Call Waiting Mid-Call Cancel: • Call Waiting Mid-Call Cancel: • Cancel Call Waiting Mid-Call Cancel: • Call Waiting Mid-Call Cancel: • Cancel Call Waiting Mid-Call Cancel: • Canc
ALV	 20 21 22 23 24 25 26 	Flash + '70# + FlashattentionDirectory Assistance BlockingON: Activated OnlineDirectory Assistance Blocking allows you to prevent all outgoing calls to Directory Assistance (such as 411 or information).• OFF: *313#Do Not DisturbGives you the option to turn off the ringer on your phone. This can be done from either the handset or from here. A busy signal will be heard by the caller when Do Not Disturb is turned on.• OR: *78# • OFF: *79#
	27 28	

1		U.S. Patent No. 9,179,005		
2	Claim	Accused Device/Instrumentality		
3		Place your U-verse TV, Voice line(s) and High Speed Internet, if		
4		Sign up		
5		for AT&T U-verse* months and a maximum period of 9 months over a 12 month period. ** To be eligible, your U-verse account		
6		vacation hold		
7		* If you have U-verse TV, Voice and High Speed Internet you will be required to put all three on hold, including all U-verse Voice line(s).		
8		** Each U-verse account is only allowed to place their service on Vacation Hold twice within 12 months. Customer can call AT&T at 1.800.280.2020 to restore any U-verse service(s) placed on hold; if customer does not call and restore, service(s) will be restored on the		
9		restoral date selected below.		
10		AT&T IP Flexible Reach allows control of outbound calling features to permit calling restrictions on a line by line basis.		
11		permit canning restrictions on a mic by mic basis.		
12		Manage Outbound Call Features		
13		Edit Account Code Status Edit Dial Restrictions		
14		As an Enterprise Administrator for the AT&T IP Flexible Reach Customer Portal, you can manage outbound call features, including account codes and dial restrictions.		
15		To see and edit a user's outbound features, go to a User Details page and click the Outbound Fe		
15 16		About Dial Restrictions		
17		About Dial Restrictions		
18		Dial restrictions are limitations that you can put on a group's outgoing calls. You can also set custor restrictions for individuals.		
19		Using dial restrictions, you can block users from making certain types of call, such as calls to intern- or toll-free numbers. You can also use dial restrictions to require an authorization code for certain of outgoing calls.		
20		Dial restrictions can be used with these types of calls:		
21		Intra-enterprise		
22		Domestic		
		Toll-free International		
23		Operator Assistance		
24		Directory Assistance		
25		You can view and edit dial restrictions for groups from the Settings tab on a Group Details page.		
26		You can view and edit dial restrictions for individual users from the Outbound Features tab of a Us Details page.		
27		Another example of first participant attributes heing used to establish		
28		Another example of first participant attributes being used to establish second network classification criteria is determining if the first participant		

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Claim	Accused Device/Instrumentality
	account has sufficient authorization to process a charge associated with the communication. If a call involves a charge and the first participant accouncan process the charge, and the second participant is not an AT&T subscriber, then the call must be made using a public network such as the PSTN.
[74e] producing a second network routing message for receipt by the controller, the	switched network, which is not controlled by the entity. If a call is made over a public network, the AT&T operated controller
second network routing message identifying an address in a	routes the call using a routing message to a gateway associated with a public network such as the PSTN.
second portion of the packet	
switched network, the	
second portion not controlled by the entity.	
75. The method of claim 74, wherein the packet switched network comprises the Internet.	In AT&T VoIP the packet switched network includes the Internet.
76. The method of claim 74,	In AT&T VoIP the first participant identifier comprises a first participant telephone number or username.
wherein the first participant	
identifier comprises a first	
participant telephone	
number or username.	
77. The method of claim 74,	In AT&T VoIP the second participant identifier comprises a second participant telephone number or username.

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Claim	Accused Device/Instrumentality
wherein the	
second	
participant	
identifier	
comprises a second	
participant	
telephone	
number or	
username.	
78. The method	In AT&T VoIP the communication comprises a voice-over-IP
of claim 74,	communication.
wherein the	
communication	
comprises a	
voice-over-IP	
communication.	
79. The method	In AT&T VoIP the packet switched network is accessed via an Internet
of claim 74,	service provider.
wherein the	
packet switched	
network is	
accessed via an	
Internet service	
provider.	
83. The method	In AT&T VoIP the first network classification criterion is satisfied when
of claim 74,	address associated with the first participant and the address associated with
wherein the first	the second participant are both in the first portion of the packet switched
network	network.
classification	
criterion is	
satisfied when an	
address	
associated with	
the first	
participant and the address	
associated with	
the second	
participant are	
both in the first	

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Claim	Accused Device/Instrumentality
portion of the packet switched network.	
84. The method of claim 74, wherein the address in the first portion is accessible through the first participant's Internet service provider.	In AT&T VoIP the address in the first portion is accessible through the fiparticipant's Internet service provider.
88. The method of claim 74, wherein the entity is an entity supplying communication services for the first portion.	In AT&T VoIP the entity is an entity supplying communication services the first portion.
89. The method of claim 74, wherein the second network classification criterion is satisfied when access to the second participant requires routing through a portion of the packet switched network operated by a communication service supplier.	In AT&T VoIP the second network classification criterion is satisfied we access to the second participant requires routing through a portion of the packet switched network operated by a communication service supplier.
92. The method	In AT&T VoIP the address in the second portion of the packet switched

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
of claim 74, wherein the address in the second portion of	network comprises an address accessed by a communication service supplier.
the packet switched	
network comprises an	
address accessed by a communication	
service supplier.	
94. [94p] A system for	AT&T VoIP routes communications in a packet switched network in whic a first participant in a communication has an associated first participant
routing communications	identifier and a second participant in the communication has an associated second participant identifier.
in a packet switched	See claim element [74p].
network in which a first participant	
in a communication	
has an associated first participant identifier and a	
second participant in the	
communication has an associated	
second participant	
identifier, the system comprising:	
[94a] a controller comprising: a processor	AT&T VoIP includes a controller comprising a processor operably configured to access a memory.
operably configured to	AT&T VoIP uses a controller with processors, memory and instructions that includes the on-premises equipment and/or AT&T operated
access a memory,	equipment.
wherein the	

	U.S. Patent No. 9,179,005
Claim	Accused Device/Instrumentality
processor is	
configured to:	
[94b] after the	See claim element [74a].
first participant	
has accessed the	
packet switched	
network to	
initiate the	
communication,	
locate a first	
participant	
profile in the	
memory using the first	
participant	
identifier, the	
first participant	
profile	
comprising a	
plurality of	
attributes	
associated with	
the first	
participant;	
[94c] produce a	See claim element [74b].
first network	see chain clement [7 10].
routing message	
when at least one	
of the first	
participant	
attributes and at	
least a portion of	
the second	
participant	
identifier meet a	
first network	
classification criterion,	
CIIICII0II,	
[94d] the first	See claim element [74c].
network routing	
message	

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Claim	Accused Device/Instrumentality
identifying an	
address in a first	
portion of the	
packet switched	
network, the	
address being	
associated with	
the second	
participant, the	
first portion	
being controlled	
by an entity; and	
[0.4.1	Constant and [74.1]
[94e] produce a second network	See claim element [74d].
routing message when at least one	
of the first	
participant	
attributes and at	
least a portion of	
the second	
participant	
identifier meet a	
second network	
classification	
criterion,	
, 	
[94f] the second	See claim element [74e].
network routing	
message	
identifying an	
address in a	
second portion of	
the packet	
switched	
network, the	
second portion	
not controlled by	
the entity.	
95. The system	See claim 78.
of claim 94,	
wherein the	

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Claim	Accused Device/Instrumentality
communication	
comprises a	
voice-over-IP	
communication.	
96. The system	See claim 79.
of claim 94,	
wherein the	
packet switched	
network is	
accessed via an Internet service	
provider.	
provider.	
98. The system	See claim 89.
of claim 94,	
wherein the	
second network classification	
criterion is	
satisfied when	
access to the	
second	
participant	
requires routing	
through a portion	
of the packet switched	
network operated	
by a	
communication	
service supplier.	
99. [99p] A non- transitory	AT&T VoIP includes a non-transitory computer readable medium comprising instructions that when executed cause a processor to perform
computer	method of routing communications in a packet switched network in which
readable medium	a first participant identifier is associated with a first participant and a
comprising	second participant identifier is associated with a second participant in a
instructions that	communication
when executed	
cause a processor	AT&T VoIP uses processors with instructions in the on-premises
to perform a method of	equipment and/or AT&T operated equipment.
routing	See claim element [74p].
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		U.S. Patent No. 9,179,005
	Claim	Accused Device/Instrumentality
	communications	
	in a packet	
	switched	
	network in which	
	a first participant	
	identifier is	
	associated with a	
	first participant	
	and a second	
	participant identifier is	
	associated with a	
l	second	
	participant in a	
	communication,	
	the method	
	comprising:	
	comprising.	
	[99a] after the	See claim element [74a].
	first participant	
	has accessed the	
	packet switched	
	network to	
	initiate the	
	communication,	
	using the first	
l	participant	
	identifier to	
l	locate a first	
l	participant	
	profile	
	comprising a	
	plurality of attributes	
	attributes associated with	
l	the first	
l	participant;	
	participant,	
	[99b] when at	See claim element [74b].
l	least one of the	
	first participant	
	attributes and at	
	least a portion of	
1	the second	

1		U.S. Patent No. 9,179,005
2	Claim	Accused Device/Instrumentality
3	participant	
	identifier meet a first network	
4	classification	
5	criterion,	
6		
	[99c] producing a first network	See claim element [74c].
7	routing message	
8	for receipt by a	
9	controller, the	
	first network routing message	
10	identifying an	
11	address in a first	
12	portion of the	
	packet switched	
13	network, the address being	
14	associated with	
	the second	
15	participant, the	
16	first portion being controlled	
17	by an entity; and	
18	[99d] when at least one of the	See claim element [74d].
19	first participant	
20	attributes and at	
	least a portion of	
21	the second	
22	participant identifier meet a	
23	second network	
24	classification criterion,	
25		
	[99e] producing a second network	See claim element [74e].
26	routing message	
27	for receipt by the controller, the	
28	second network	
		31
		VPLM00436

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Claim	Accused Device/Instrumentalit		
outing message dentifying an address in a second portion of he packet witched network, the second portion not controlled by he entity.			
I			