## 505752668 11/01/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
NYTELL SOFTWARE LLC	10/30/2019	

### **RECEIVING PARTY DATA**

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### **PROPERTY NUMBERS Total: 8**

Property Type	Number
Patent Number:	RE43704
Patent Number:	7760664
Patent Number:	6836466
Patent Number:	6775253
Patent Number:	6628943
Patent Number:	6788660
Patent Number:	6487406
Patent Number:	6490259

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SIGNATURE:	/Janice L. Goebel/
DATE SIGNED:	11/01/2019

PATENT 505752668 REEL: 050886 FRAME: 0640

## **Total Attachments: 6**

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#### ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Nytell Software LLC, a Delaware limited liability company having an address at 251 Little Falls Drive, Wilmington, DE 19808 ("Assignor"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Assets 130 LLC a Delaware limited liability company, having an address at 251 Little Falls Drive, Wilmington, DE 19808 ("Assignee"), or its designees, all of its right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "Patents");

# Active Patent(s) - (Filed; Granted)

		<u>Issue Date/</u>	Title of Patent
Patent/Application Number	Country	Filing Date	and First Named Inventor
RE43704	US	10/2/2012	Determining and provisioning
			paths within a network of
(12/608732)		(10/29/2009)	communication elements
			Gupta, Sanyogita
7760664	US	7/20/2010	Determining and provisioning
			paths in a network
(11/101136)		(4/7/2005)	
			Sanyogita Gupta
CA2581734	CA	8/28/2012	Determining and provisioning
			paths in a network
(CA2581734)		(9/28/2005)	
			Sanyogita Gupta
DE602005053126.2	DE	11/22/2017	Determining and provisioning
			paths in a network
(DE602005053126.2)		(9/28/2005)	
			Sanyogita Gupta
GB1797670	GB	11/22/2017	Determining and provisioning
			paths in a network
(GB05857725.5)		(9/28/2005)	
			Sanyogita Gupta
JP4777990	JP	7/8/2011	Determining and provisioning
			paths in a network
(JP2007-534687)		(9/28/2005)	
			Sanyogita Gupta
6836466	US	12/28/2004	Method and system for
			measuring IP performance
(09/579371)		(5/26/2000)	metrics
			Krishna Kant

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Patent/Application Number	Country	<u>Issue Date/</u> <u>Filing Date</u>	Title of Patent and First Named Inventor
6775253	US	8/10/2004	Adaptive signaling for
			wireless packet telephony
(09/512644)		(2/24/2000)	,
`			Prathima Agrawal
6628943	US	9/30/2003	Mobility management utilizing
			active address propagation
(09/512645)		(2/24/2000)	
•			Prathima Agrawal
6788660	US	9/7/2004	Adaptive mobile signaling for
			wireless internet telephony
(09/512646)		(2/24/2000)	
			Prathima Agrawal
6487406	US	11/26/2002	PCS-to-mobile IP
			internetworking
(09/545619)		(4/10/2000)	
			Li-Fung Chang
TWI183532	TW	8/11/2003	PCS-to-mobile IP
			internetworking
(TW089110383)		(5/29/2000)	
			Chang, Li-Fung
CA2310783	CA	2/3/2004	PCS-to-mobile IP
			internetworking
(CA2310783)		(6/6/2000)	
			Chang, Li-Fung
6490259	US	12/3/2002	Active link layer and intra-
			domain mobility for IP
(09/512514) "		(2/24/2000)	networks
			AGRAWAL PRATHIMA

- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);
- (d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents above and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
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- (g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for
  - (1) damages,
  - (2) injunctive relief, and
  - (3) any other remedies of any kind

for past, current, and future infringement;

- (i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h); and
- (j) all rights to the assets listed in the table below, as well as all rights to the inventions, invention disclosures, and discoveries in the assets listed in the table below, together, with the rights, if any, to revive prosecution of claims under such assets and to sue or otherwise enforce any claims under such assets for past, present or future infringement:

Inactive Patent(s) – (Abandoned; Lapsed; Expired)

Patent/Application Number	Country	Issue Date/ Filing Date	<u>Title of Patent</u> and First Named Inventor
7289456	US	10/30/2007	Determining and provisioning
(10/118187)		(4/8/2002)	paths within a network of communication elements

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Patent/Application Number	Country	<u>Issue Date/</u> <u>Filing Date</u>	<u>Title of Patent</u> and First Named Inventor
			Gupta, Sanyogita
(60/614609)	US	(9/30/2004)	Modeling of topology connectivity map for efficient layer 1 routing
			Sanyogita Gupta
(PCT/US2005/034418)	WO	(9/28/2005)	Determining and provisioning paths in a network
			Sanyogita Gupta
EP1797670	EP	11/22/2017	Determining and provisioning paths in a network
(EP05857725.5)		(9/28/2005)	Sanyogita Gupta
(60/121552)	US	(2/25/1999)	Adaptive mobility-aware signaling for wireless IP telephony
			Agrawal, Prathima
(PCT/US2000/004629)	wo	(2/24/2000)	Adaptive signaling and mobility for wireless telephony
			Agrawal, Prathima
(60/139471)	US	(6/16/1999)	PCS-to-mobile IP internetworking
			Chang, Li-Fung
(PCT/US2000/014059)	wo	(5/22/2000)	ACTIVE LINK LAYER AND INTRA-DOMAIN MOBILITY FOR IP NETWORKS
			AGRAWAL PRATHIMA

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other

governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Kellevue with October 30, 2019 ASSIGNOR: **Nytell Software LLC** By: Name: Title: STATE OF WASHINGTON ) COUNTY OF KING On 10/30/19, before me, Horne Proff
Notary Public in and for said State, personally appeared Lawrence Free ber personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. Signature Notary Public, State of Washington My commission expires:

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	GNEE: ctual Ventures Assets 130 LLC			
By: Name:	Jams/A Lawrence Froeber			
Title:	STATE OF WASHINGTON ) )ss.			
	On /o/so/19, before Notary Public in and for said State, person personally known to me (or proved to me on person whose name is subscribed to the with he/she executed the same in his/her authorize the instrument the person, or the entity upon the instrument.	ally appeared the basis of sate in instrument a ed capacity, and	isfactory eviden nd acknowledge I that by his/her	ce) to be the ed to me that signature on
	WITNESS my hand and official seal.  Signature  Notary Public, State of Washington My commission expires:  Cert # 83/39		Seal)  Seal)  Seal)  Seal)  Seal)	