501890158 04/17/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ashutosh K. Sureka	07/11/2007
Sathish K. Subramanian	07/12/2007
Sidhartha Basu	07/19/2007
Indivar Verma	07/13/2007

RECEIVING PARTY DATA

Name:	Verizon Data Services India Pvt Ltd
Street Address:	22 Sardar Patel Road, Chennai
City:	Guindy
State/Country:	INDIA
Postal Code:	600032

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13447487

CORRESPONDENCE DATA

 Fax Number:
 (703)439-2658

 Phone:
 5712970007

 Email:
 pto@snyderllp.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: SNYDER, CLARK, LESCH & CHUNG, LLP

Address Line 1: 950 Herndon Parkway

Address Line 2: Suite 365

Address Line 4: HERNDON, VIRGINIA 20170

ATTORNEY DOCKET NUMBER: 20070178D1

NAME OF SUBMITTER: Garth D. Richmond

REEL: 028055 FRAME: 0714

PATENT

Total Attachments: 4

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PATENT REEL: 028055 FRAME: 0715

Verizon Invention Assignment for Verizon Reference No.: 20070178 Page 1 of 1

ASSIGNMENT

For goo	od and valuable consideration, the receipt of which is hereby acknowledged, I/Wc, the undersigned:	
L ha	ave sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legionity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in an to any and all improvements which are described in the application for United States Letters Patent entitled.	'n
	CONTROLLING A SET-TOP BOX VIA REMOTE SPEECH RECOGNITION Which has been executed by the undersigned concurrently herewith, and in which cas I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to insert here in the parentheses (Application Number, filed) the filing date and application number of said application when known.	0
	which was filed on and assigned Application No. and in and to said application, and all divisional, continuing, substitute, renewal, reissue, provisional, and all other application for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on said application; and in and to all original and reissued patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing;	n d d
	ree that said Assignee may apply for and receive Letters Patent for improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent application on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors and assigns; and	
	renant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.	
IN WITN	NESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:	
Verizon o	entity (Assignee): Verizon Data Services India Pvt Ltd, having a place of business at 22 Sardar Patel Road, Chennai 600032,	
ASSIGNO Signature	- 11 /2-a	
Signature	e: Date: Date:	
Signaturo	Sidhartha BASU Date:	
Signature:	Date:	
	Indivar VERMA	

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled CONTROLLING A SET-TOP BOX VIA REMOTE SPEECH RECOGNITION Which has been executed by the undersigned concurrently herewith, and in which case I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to insert here in the parentheses (Application Number filed date and application number of said application when known. which was filed on _____ and assigned Application No. and in and to said application, and all divisional, continuing, substitute, renewal, reissue, provisional, and all other application for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on said application; and in and to all original and reissued patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing; II. agree that said Assignee may apply for and receive Letters Patent for improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent application on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors and assigns; and III. covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. IN WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below: Verizon entity (Assignee): Verizon Data Services India Pyt Ltd, having a place of business at 22 Sardar Patel Road, Guindy, Chennai 600032. ASSIGNORS: Signature: Date: Ashutosh K. SUREK Signature: Sathish K. SUBRAMANIAN Signature: Date Sidhartha BASU Signature: Indivar VERMA

> PATENT REEL: 028055 FRAME: 0717

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

 have sold, assigned and transferred, and by the presents do entity identified below ("Assignee") and its successors 	and assigns, the entire right, title and interest in and
to any and all improvements which are described in the	application for United States Letters Patent enutied
CONTROLLING A SET-TOP BOX VIA R which has been executed by the use of the control of the contro	ndersigned concurrently herewith, and in which case successors, assigns and/or legal representatives, to, filed) the filing
which was filed on an and in and to said application, and all divisional, cont all other application for Letters Patent which have been countries on any of said improvements or based on sa patents which have been or shall be issued in the U applications, and in and to all rights of priority resulting and to all rights which may exist under the Internal Property to any of the foregoing;	inuing, substitute, renewal, reissue, provisional, and a or shall be filed in the United States and all foreign id application; and in and to all original and reissued nited States and foreign countries from any of saiding from the filing of any of said applications; and in ational Convention for the Protection of Industrial
II. agree that said Assignee may apply for and receive Letters when requested, without charge to, but at the expense representatives, to carry out in good faith the intent at execute all divisional, continuing, substitute, renewal, all said improvements; execute all rightful oaths, a communicate to said Assignee, its successors, assigns relating to said improvements and the history thereo Assignee, its successors, assigns or representatives maintaining proper patent protection for said improve all applications for patents and all patents on said assigns; and	of, said Assignee, its successors, assigns and legal and purpose of this Assignment, the undersigned will reissue, and all other patent application on any and assignments, powers of attorney and other papers; and representatives, all facts known to undersigned if; and generally do everything possible which said shall consider desirable for aiding in securing and ments and for vesting title to said improvements and
III. covenant with said Assignee, its successors, assigns ar mortgage, license, or other agreement affecting the ri others by the undersigned, and that full right to conv undersigned.	ghts and property herein identified has been made to
IN WITNESS to my/our agreement to the foregoing, I/we have	executed this Assignment as set forth below:
Verizon entity (Assignee): Verizon Data Services India Pvt Ltd Guindy, Chennai 600032.	
ASSIGNORS:	
Addication,	
Signature: Ashutosh K. SUREKA	Date:
Ashutosh K. SUKEKA	
Signature:	Date:
Sathish K. SUBRAMANIAN	
Signature: Asoc	Date: 19/7/07
Sidhartha BASU	
Signature:	Date:
Indivar VERMA	

PATENT REEL: 028055 FRAME: 0718 FROM : UERIZON DATA SERVICES

Verizon Invention Assignment for Verizon Reference No.: 20070178 Page 1 of 1

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

Į.	have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled
	CONTROLLING A SET-TOP BOX VIA REMOTE SPEECH RECOGNITION Which has been executed by the undersigned concurrently herewith, and in which case I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to insert here in the parentheses (Application Number, filed) the filing date and application number of said application when known.
	and assigned Application No. and in and to said application, and all divisional, continuing, substitute, renewal, reissue, provisional, and all other application for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on said application; and in and to all original and reissued patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing;
11.	when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent application on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to undersigned relating to said improvements and the history thereof, and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors and assigns; and
III.	covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.
IN	WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:
Vei	rizon entity (Assignee): Verizon Data Services India Pvt Ltd, having a place of business at 22 Sardar Patel Road, indy, Chennai 600032.
AS	signors:
	Date
Sig	nature:Ashutosh K. SUREKA
-	Date:
Sig	nature: Date:
	Dare:
Sig	nature: Sidhartha BASU
٠.	Doro: 13 Tuly 2007
Sig	Indivar VERMA

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