### 502044118 08/30/2012

# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Arda AKSU	08/29/2012
Lalit R KOTECHA	08/20/2012
David CHIANG	08/17/2012
Maria G LAM	08/29/2012
Steven R RADOS	08/29/2012

### **RECEIVING PARTY DATA**

Name:	VERIZON PATENT AND LICENSING, INC.	
Street Address:	One Verizon Way	
City:	Basking Ridge	
State/Country:	NEW JERSEY	
Postal Code:	07920	

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13599671

### **CORRESPONDENCE DATA**

**Fax Number**: 5714320808 **Phone**: 5714320800

Email: mberndsen@harrityllp.com

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

via US Mail.

Correspondent Name: Harrity & Harrity, LLP
Address Line 1: 11350 Random Hills Road

Address Line 2: Suite 600

Address Line 4: Fairfax, VIRGINIA 22030

ATTORNEY DOCKET NUMBER:	0011-1207	
NAME OF SUBMITTER:	Neil R. Kardos	PATENT

502044118 REEL: 028878 FRAME: 0614

TOP \$40.00 13599671

# Total Attachments: 8 source=20120202\_Assignment\_VZ#page1.tif source=20120202\_Assignment\_VZ#page2.tif source=20120202\_Assignment\_VZ#page3.tif source=20120202\_Assignment\_VZ#page4.tif source=20120202\_Assignment\_VZ#page5.tif source=20120202\_Assignment\_VZ#page6.tif source=20120202\_Assignment\_VZ#page7.tif source=20120202\_Assignment\_VZ#page8.tif

PAGE 04/05

Verizon Invention Assignment for Verizon Docket No.: 20120202

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### ASSIGNMENT

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

I. 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 worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

### RADIO ACCESS NETWORK INTEGRATED SET-TOP DEVICE

	KADIO ACCESSIVE I WORK WALL	TARRAN S STATE STATE OF THE STA
	Which has been executed by the I/we hereby authorize and request the Assignee, insert here in the parentheses (Application Number date and application number of said application when	e undersigned concurrently herewith, and in which case its successors, assigns and/or legal representatives, to 13/599,671, filed 08/30/2012 ) the filing in known.
	which was filed on	and assigned Application No.
	reissue, provisional, and all other applications for United States and all foreign countries on any of sai application; and in and to all original and reissued parties and foreign countries from any of said applications.	continuing (in whole or in part), substitute, renewal, Letters Patent which have been or shall be filed in the d improvements or based on or claiming priority to said patents which have been or shall be issued in the United ations, and in and to all rights of priority resulting from to all rights which may exist under the International to any of the foregoing;
U. ag	that, when requested, without charge to, but at the legal representatives, to carry out in good faith the will execute all divisional, continuing (in whole or applications on any and all said improvements; execute of attorney and other papers; communicate to said a facts known to undersigned relating to said improvements possible which said Assignee, its successfor aiding in securing and maintaining proper page	ters Patent for said improvements in its own name; and expense of, said Assignee, its successors, assigns and intent and purpose of this Assignment, the undersigned in part), substitute, renewal, reissue, and all other patent cute all rightful oaths, declarations, assignments, powers Assignee, its successors, assigns, and representatives, all provements and the history thereof; and generally do assors, assigns or representatives shall consider desirable at protection for said improvements and for vesting title as Patent and all Letters Patent on said improvements, in
III. co	mortgage, license, or other agreement affecting the	and legal representatives that no assignment, grant, erights and property herein identified has been made to mvey the same as herein expressed is possessed by the
IN WI	TNESS to my/our agreement to the foregoing, I/we ha	we executed this Assignment as set forth below:
	on entity (Assignee): Verizon Patent and Licensing In ng Ridge, NJ 07920.	c., having a place of business at One Verizon Way,
<u>ASSIC</u> Signat	GNORS: Arda AKSU  Arda AKSU	Date: 8/29/12
Signat	Lalit R. KOTECHA	Date:
Signat	David CHIANG	Date:

Verizon Invention Assignment for Verizon Docket No.: 20120202

Page 2 of 2

Signature:\_

Maria G. LAD

Signature:

Steven R. RAD

Date.

### ASSIGNMENT

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

I. 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 worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

### RADIO ACCESS NETWORK INTEGRATED SET-TOP DEVICE

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 (in whole or in part), substitute, renewal, reissue, provisional, and all other applications 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 or claiming priority to 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 said 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 (in whole or in part), substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, declarations, 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 Letters Patent and all Letters Patent 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 Patent and Licensing Inc., having a place of business at One Verizon Way, Basking Ridge, NJ 07920.
ASSIGNORS:
Signature: Date:
Signature: Date: 8/20/2012 Lalit R. KOTECHA
Signature: Date:

Verizon Invention Assignment for Verizon Docket No.: 20120202 Page 2 of 2

Signature:	Date:
Maria G. LAM	
Signature:	Date:
Steven R. RADOS	

### Page 1 of 2

# **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 worldwide right, title and
interest in and to any and all improvements which are described in the application for United States Letters
Patent entitled

### RADIO ACCESS NETWORK INTEGRATED SET-TOP DEVICE

	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 $\frac{13/599,671}{671}$ , filed $\frac{08/30/2012}{68/30/2012}$ ) the filing date and application number of said application when known.		
	which was filed on a	nd assigned Application No.	
	reissue, provisional, and all other applications for Le United States and all foreign countries on any of said application; and in and to all original and reissued pa		
II. agree that said Assignee may apply for and receive Letters Patent for said 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 (in whole or in part), substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, declarations, 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 Letters Patent and all Letters Patent on said improvements, in said Assignee, its successors and assigns; and			
III. covenant with said Assignce, 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 WIT	NESS to my/our agreement to the foregoing, I/we have	executed this Assignment as set forth below:	
	entity (Assignee): Verizon Patent and Licensing Inc., Ridge, NJ 07920.	having a place of business at One Verizon Way,	
<u>ASSIGN</u>	NORS:		
Signatu	re:Arda AKSU	Date:	
Signatur	re;Lalit R. KOŢĒCHA	Date:	
Signatu	$\mathcal{M} \mathcal{M}$	Date: 8/17/2012	

Verizon Invention Assignment for Verizon Docket No.: 20120202 Page 2 of 2

Signature:		 Date:
	Maria G. LAM	
Signature:		Date:
<b>0</b> ,	Steven R. RADOS	

Verizon Invention Assignment for Verizon Docket No.: 20120202 Page 1 of 2

### ASSIGNMENT

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

I. 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 worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

### RADIO ACCESS NETWORK INTEGRATED SET-TOP DEVICE

	I/we hereby authorize and request the Ass	ed by the undersigned concurrently herewith, and in which case signee, its successors, assigns and/or legal representatives, to Number $\frac{13/599,671}{671}$ , filed $\frac{08/30/2012}{68/30/2012}$ the filing ion when known.
	which was filed on	and assigned Application No.
	reissue, provisional, and all other application. United States and all foreign countries on an application; and in and to all original and re States and foreign countries from any of sai	issional, continuing (in whole or in part), substitute, renewal, one for Letters Patent which have been or shall be filed in the cy of said improvements or based on or claiming priority to said issued patents which have been or shall be issued in the United dapplications, and in and to all rights of priority resulting from in and to all rights which may exist under the International property to any of the foregoing;
II. agre	that, when requested, without charge to, but legal representatives, to carry out in good fit will execute all divisional, continuing (in what applications on any and all said improvement of attorney and other papers; communicate the facts known to undersigned relating to see everything possible which said Assignee, its for aiding in securing and maintaining property.	tive Letters Patent for said improvements in its own name; and at at the expense of, said Assignee, its successors, assigns and aith the intent and purpose of this Assignment, the undersigned hole or in part), substitute, renewal, reissue, and all other patent ats; execute all rightful oaths, declarations, assignments, powers o said Assignee, its successors, assigns, and representatives, all aid improvements and the history thereof; and generally do a successors, assigns or representatives shall consider desirable er patent protection for said improvements and for vesting title at Letters Patent and all Letters Patent on said improvements, in d
Ш. соч	mortgage, license, or other agreement affect	assigns and legal representatives that no assignment, grant, ting the rights and property herein identified has been made to be to convey the same as herein expressed is possessed by the
IN WIT	NESS to my/our agreement to the foregoing,	I/we have executed this Assignment as set forth below:
	entity (Assignee): Verizon Patent and Licen Ridge, NJ 07920.	sing Inc., having a place of business at One Verizon Way,
<u>ASSIGN</u>	<u> JORS:</u>	
Signatur	re;Arda AKSÜ	Date:
Signatur	e: Lalit R, KOTECHA	Date:
Signatur	re:	Date:

No. 1948

Aug. 29. 2012 4:43PM

Signature:\_

Verizon Invention Assignment for Verizon Docket No.: 20120202 Page 2 of 2

Date:

Steven R. RADOS

**PATENT** 

**REEL: 028878 FRAME: 0623**