PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Prakash Sridharan	12/19/2006
Manoj G. Mohan	12/19/2006
Sankar Rajaraman	12/19/2006
Nandakumar Kalyanasundaram	12/19/2006

RECEIVING PARTY DATA

Name:	Verizon Data Services India Private Ltd.	
Street Address:	Viceroy, No. 22	
Internal Address:	Sardar Patel Road	
City:	Guindy	
State/Country:	INDIA	
Postal Code:	600032	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11618097

CORRESPONDENCE DATA

Fax Number: (571)432-0808

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 571-432-0800

Email: jcummings@harritysnyder.com

Correspondent Name: Harrity Snyder, LLP

Address Line 1: 11350 Random Hills Road

Address Line 2: Suite 600

Address Line 4: Fairfax, VIRGINIA 22030

ATTORNEY DOCKET NUMBER: 20060218

NAME OF SUBMITTER: Brian E. Ledell

PATENT

500200948 **REEL: 018695 FRAME: 0171**

Total Attachments: 4

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> PATENT REEL: 018695 FRAME: 0172

FAX NO. :04443940552

FROM : UERIZON

Verizon Invention Assignment for Verizon Reference No.: 20060218 . Page 1 of 1

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

ASYNCHRONOUSLY GENERATED MENUS
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!! 61f.0 fo., filed 12-29-06) the filing 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): <u>Verizon Data Services India Private Ltd.</u> , having a place of business at Viceroy, No. 22 Sardar Patel Road, Guindy 600032, India.
ASSIGNORS:
Signature: Date: Prakash Sridharan
Signature: Date:
Signature: Date:
Sankar Bajaraman Signature: Kajurasundaram Date: 19-DEC-2006 Nandakumar Kajurasundaram

PATENT REEL: 018695 FRAME: 0173

Verizon Invention Assignment for Verizon Reference No.: 20060218 Page 1 of 1

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ASYNCHRONOUSLY GENERATED MENUS

Mwhich has been executed by the undersigned concurrently herewith, and in which case I we have you have and request the Assignee, its auticestors, assigns and/or logal representatives, to insert here in the parentheses (Application Number II 10/8,097, filed 12-29-00) the filling date and application number of said application when known.
which was filled an und assigned Application No.
the boundary of the province o

and in and to said application, and ill distinue, continuing, substitute, renewal, reissue, provisional, and all other application for Letrops Paranta-which have been or shall be filed in the United States and all foreign countries parany of said improvements or based on said application; and in and to all original and reissued parents which have been of said 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 interpolate under the International Convention for the Protection of Industrial-Property to any of the International.

- il. agree that said Assignee may apply for and receive Letters Panent for improvements in its own name, and that, when required the interest of but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry pay in their find the interit and purpose of this Assignment the undersigned will execute all divisional, continuing, substitute, renewal, missue, and all other patent application on any and all shill improvements execute all displays and after papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to undersigned reliable, to said improvements and the history thereof, and generally do exerciting passible which said Assignee, its successors assigns of representatives shall consider desirable for adding in securing and micrahiming pager patent photograph for said improvements, and for verting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors and assigns; and
- If coverant with said Assigned, its successors, ussigns and legal representatives that no assignment grantmortgage, license, or ather agreement affecting the rights and property herein identified has been made to bihers by the undersigned, and that full light to convey the same as herein expressed is possessed by the understance.

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Verizon zmity (Ansignec): <u>Verizon Enta Services India Private Ltd.</u> flaving a place of business at Viceroy, No. 22: Saider Palel Boud, Guindy 809092, India.

<u>ASSIGNORS:</u>	,
Signature: Prekosh Sridharari	Date:
Prekosh Sridharari	
Signature: Manny & Mohan Signature: R. Sankar Rajaramen	Date:
Manuf G. Moban	
Signorure: R. Saukasa	Date: 19 - DEC-2006
Sankar Rajaraman	
Signature) Nandakumas Kalvamssundiram	Date:
Nandakiteor Kalvonasanaran	

Verizon Invention Assignment for Verizon Reference No.: 20060218 Page 1 of 1

ASSIGNMENT

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	ASYNCHRONOUSLY GEN	ERATED MENUS
	Which has been executed by the un I/we hereby authorize and request the Assignee, its insert here in the parentleses (Application Number !!! date and application number of said application when k	1618,071, filed 12-27-04 the nung
	which was filed on and	l assigned Application No.
	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 sai patents which have been or sail be issued in the Urapplications; 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:	n or shall be filed in the United States and an foreign d application; and in and to all original and reissued nited States and foreign countries from any of said are from the filing of any of said applications; and in
П. ад	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 improved all applications for patents and all patents on said it assigns; and	of, said Assignee, its successors, assigns and legated purpose of this Assignment, the undersigned will reissue, and all other patent application on any and saignments, powers of attorney and other papers; and representatives, all facts known to undersigned f; 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. co	wenant with said Assignee, its successors, assigns an mortgage, license, or other agreement affecting the rigorothers by the undersigned, and that full right to convenienced.	this and property herem identified has been made to
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Verizo Sardar	na entity (Assignee): <u>Verizon Data Services India Privat</u> Patel Road, Guindy 600032, India.	e Ltd., having a place of business at Viceroy, No. 22
ASSIG	NORS:	÷ :.
Signati	ure: Prakash Sridharan	Date:
Signati	ure; Manoj G. Mohan	Date: 19/DEC 2006
Signati	are: Sankar Rajaraman	Date:
Signat	÷	Date:
	=	

PATENT REEL: 018695 FRAME: 0175

FAX NO. :04443940552 FROM : VERIZON

> Verizon Invention Assignment for Verizon Reference No.: 20060218 Page 1 of 1

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

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to any and all improvements which are described in	he application for United States Letters Patent entitled
ASYNCHRONOUSLY GE	ENERATED MENUS
I/we hereby authorize and request the Assignee, it	undersigned concurrently herewith, and in which case is successors, assigns and/or legal representatives, to [1][018,097], filed 12-23-550) the filing a known.
which was filed on	and assigned Application No.
all other application for Letters Patent which have be countries on any of said improvements or based on patents which have been or shall be issued in the applications, and in and to all rights of priority resul-	ntinuing, substitute, renewal, reissue, provisional, and ten or shall be filed in the United States and all foreign and application; and in and to all original and reissued United States and foreign countries from any of said ting from the filing of any of said applications; and in national Convention for the Protection of Industrial
representatives, to carry out in good faith the intent execute all divisional, continuing, substitute, renews all said improvements; execute all rightful oaths, communicate to said Assignee, its successors, assign relating to said improvements and the history there Assignee, its successors, assigns or representatives maintaining proper patent protection for said improvements.	rs Patent for improvements in its own name; and that, see of, said Assignce, its successors, assigns and legal and purpose of this Assignment, the undersigned will it reissue, and all other patent application on any and assignments, powers of attorney and other papers; as, and representatives, all facts known to undersigned sof; and generally do everything possible which said shall consider desirable for aiding in securing and ements and for vesting title to said improvements and improvements, in said Assignee, its successors and
III. covenant with said Assignee, its successors, assigns a mortgage, license, or other agreement affecting the others by the undersigned, and that full right to con undersigned.	and legal representatives that no assignment, grant, ights and property herein identified has been made to vey the same as herein expressed is possessed by the
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ASSIGNORS:	
Signature: 8. Prace of	Date: 19-DEC - 2006
Prakash Sridharan Signature:	Date:
Manoj G. Mohan . Signature:	Date:
Sankar Rajaraman Signature:	Date:
Name de la companya del companya de la companya del companya de la	

PATENT REEL: 018695 FRAME: 0176

RECORDED: 12/29/2006