

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Raghu DARAPU	05/03/2010
Aravind PERUMANDLA	05/03/2010
Ruchir RODRIGUES	05/05/2010
Shaygan KHERADPIR	05/03/2010
Santhosh MANJREKAR	05/03/2010
Sivaramakrishnan SHUNMUGHA	05/03/2010
Fang ZHU	05/03/2010
Alexander SAKHAROV	05/03/2010
Sampath NAMBAKKAM	05/03/2010

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:	12783844

CORRESPONDENCE DATA

Fax Number: (703)351-3665

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

Phone: 703-351-3579

Email: angela.trafton@verizon.com

Correspondent Name: VERIZON PATENT MANAGEMENT GROUP

Address Line 1: 1320 North Court House Road

Address Line 2: 9th Floor

OP \$40.00 12783844

501182217

PATENT
REEL: 024416 FRAME: 0274

Address Line 4: ARLINGTON, VIRGINIA 22201-2909

ATTORNEY DOCKET NUMBER:

20090445

NAME OF SUBMITTER:

Phouphanomketh Ditthavong

Total Attachments: 4

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, We, the undersigned:
Raghu DARAPU, Aravind PERUMANDLA, Ruchir RODRIGUES, Shaygan KHERADPIR, Santhosh
MANJREKAR, Sivaramakrishnan SITUNMUGHIA, ~~ZIM FANG~~^{Fang}, Alexander SAKHAROV, Sampath
NAMBAKKAM
Fang ZHU

- 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

**METHOD AND APPARATUS FOR PROVIDING CONTENT AGGREGATION
IN SUPPORT OF VIRTUAL CHANNELS**

☒ 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.

☐ which was filed on _____ and assigned Application No. _____

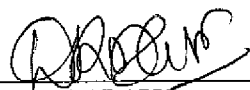
and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on or claiming 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 our agreement to the foregoing, 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 USA.

ASSIGNORS:

Signature: 
Raghu DARAPU

Date: 05/03/2010

Signature: 
Aravind PERUMANDLA

Date: 05/03/2010

Signature: _____
Ruchir RODRIGUES

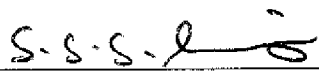
Date: _____

Signature: _____
Shaygan KHERADPIR

Date: _____

Signature: 
Santhosh MANJREKAR

Date: 05/03/2010

Signature: 
Sivaramakrishnan SHUNMUGHA

Date: 05/03/2010

Signature: _____
Zhu FANG

Date: _____

Signature: _____
Alexander SAKHAROV

Date: _____

Signature: 
Sampath NAMBAKKAM

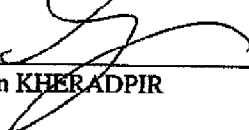
Date: 05/03/2010

ASSIGNORS:

Signature: _____ Date: _____
Raghu DARAPU

Signature: _____ Date: _____
Aravind PERUMANDLA

Signature:  _____ Date: 5/5/10
Ruchir RODRIGUES

Signature:  _____ Date: 5/3/10
Shaygan KHERADPIR

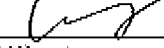
Signature: _____ Date: _____
Santhosh MANJREKAR

Signature: _____ Date: _____
Sivaramakrishnan SHUNMUOHA

Signature: _____ Date: _____
Zhu FANG

Signature: _____ Date: _____
Alexander SAKHAROV

Signature: _____ Date: _____
Sampath NAMBAKKAM

ASSIGNORS:Signature: _____ Date: _____
Raghu DARAPUSignature: _____ Date: _____
Aravind PERUMANDLASignature: _____ Date: _____
Ruchir RODRIGUESSignature: _____ Date: _____
Shaygan KHERADPIRSignature: _____ Date: _____
Santhosh MANJREKARSignature: _____ Date: _____
Sivaramakrishnan SHUNMUGHASignature:  _____ Date: 5/3/2010
~~ZHU FANG~~ Fang ZHU
F.Z.Signature:  _____ Date: 5/3/10
Alexander SAKHAROVSignature: _____ Date: _____
Sampath NAMBAKKAM