

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4221043

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|---|----------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| KEITH BARRACLOUGH | 08/09/2006 |
| DAVID IRVINE | 08/09/2006 |
| RODRIGO PHILANDER | 08/09/2006 |
| MICHAEL J. ALBANESE | 07/27/2006 |
| JAMES ROLAND HENDERSON | 07/27/2006 |
| RECEIVING PARTY DATA | |
| Name: | AVVENU, INC. |
| Street Address: | 410 CAMBRIDGE AVENUE |
| City: | PALO ALTO |
| State/Country: | CALIFORNIA |
| Postal Code: | 94306 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14632307 |
| CORRESPONDENCE DATA | |
| Fax Number: | (703)519-9958 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 703-519-9951 |
| Email: | docket@dcpatent.com |
| Correspondent Name: | DITTHAVONG & STEINER, P.C. |
| Address Line 1: | 44 CANAL CENTER PLAZA |
| Address Line 2: | SUITE 322 |
| Address Line 4: | ALEXANDRIA, VIRGINIA 22314 |
| ATTORNEY DOCKET NUMBER: | P3635US15 |
| NAME OF SUBMITTER: | RICHARD A. CASTELLANO |
| SIGNATURE: | /Richard A. Castellano/ |
| DATE SIGNED: | 01/11/2017 |
| Total Attachments: 7 | |

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ASSIGNMENT

WHEREAS, I/we, Keith Barraclough, residing at 1551 Redwood Court, Mountain View, California 94041; David Irvine, residing at 5281 Amelia Drive, San Jose, California 95118; Rodrigo Philander, residing at 895 Hazelnut Court, Sunnyvale, California 94087; Michael J. Albanese, residing at 1002 Laurie Avenue, San Jose, California 95125; and James Roland Henderson, residing at 15925 Armsby Lane, Morgan Hill, California 95037 made certain new and useful inventions and improvements for which I/we executed an application for letters Patent of the United States, which was filed on May 16, 2006 and received serial number 11/435,357, entitled: **RULE-BASED CACHING FOR PACKET-BASED DATA TRANSFER** (Atty. Docket No. EYEF.019PA).

AND WHEREAS, Avvenu, Inc., a corporation having an office and place of business at 410 Cambridge Avenue, Palo Alto, California 94306 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

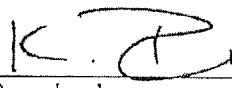
NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.


AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its

successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

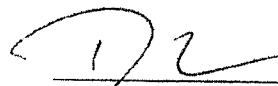
AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

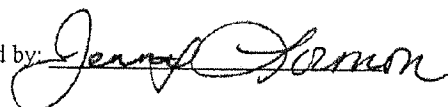
IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of April, 2006.


Keith Barraclough

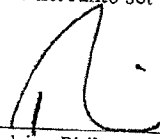
Witnessed by: 
See attached Notary Acknowledgement


IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of August, 2006.


David Irvine

Witnessed by: 
See attached Notary acknowledgement

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of Aug, 2006.


Rodrigo Philander

Witnessed by: 

See attached notary acknowledgement

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Michael J. Albanese

Witnessed by: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

James Roland Henderson

Witnessed by: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

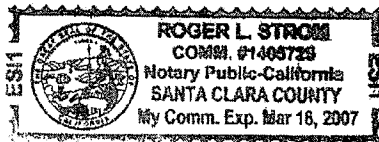
State of California

County of Santa Clara } ss.

On August 9, 2006 before me, ROGER L. STROM, Notary
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Keith Barracough and David Irvine
Name(s) of Signer(s)

☐ personally known to me
☒ proved to me on the basis of satisfactory evidence



to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____

Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____



PATENT
REEL: 018088 FRAME: 0626

PATENT
REEL: 040950 FRAME: 0134

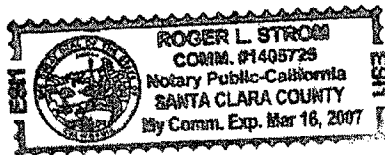
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara } ss.

On August 9, 2006 before me, ROGER L STROM Notary Public,
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
 personally appeared RODRIGO PHILANDER
Name(s) of Signer(s)

☐ personally known to me
☒ proved to me on the basis of satisfactory evidence



to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

- ☐ Individual
- ☐ Corporate Officer — Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Attorney-in-Fact
- ☐ Trustee
- ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____



PATENT
 REEL: 018088 FRAME: 0627

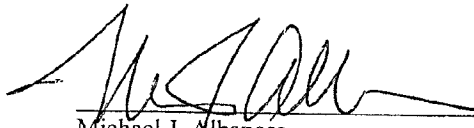
PATENT
 REEL: 040950 FRAME: 0135

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Rodrigo Philander

Witnessed by: _____

July, 2006. IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of



Michael J. Albanese

Witnessed by:  _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

James Roland Henderson

Witnessed by: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Rodrigo Philander

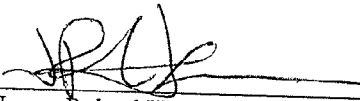
Witnessed by: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Michael J. Albanese

Witnessed by: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of July, 2006.



James Roland Henderson

Witnessed by: Roland T. Henderson