PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3020332

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | | |
|-----------------------|--|--|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the IDENTIFIED APPLICATION SERIAL NUMBER previously recorded on Reel 029838 Frame 0462. Assignor(s) hereby confirms the ASSIGNMENT. | | |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| ARDA AKSU | 12/21/2012 |
| DEEPAK KAKADIA | 12/28/2012 |
| JOHN F. MACIAS | 12/27/2012 |
| PRISCILLA LAU | 12/27/2012 |
| SAGIV DRAZNIN | 12/31/2012 |
| STEVEN R. RADOS | 12/21/2012 |
| THOMAS W. HAYNES | 12/21/2012 |

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: | 13731786 | |

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 7033513579

Email: patents@verizon.com

VERIZON PATENT MANAGEMENT GROUP Correspondent Name:

Address Line 1: 1320 NORTH COURT HOUSE ROAD

Address Line 2: 9TH FLOOR, ATTN: PATENT Address Line 4: ARLINGTON, VIRGINIA 22201

| ATTORNEY DOCKET NUMBER: | 20120892 | |
|-------------------------|-------------------|------|
| NAME OF SUBMITTER: | SADIQ A. ANSARI | |
| SIGNATURE: | /Sadiq A. Ansari/ | TENT |

REEL: 033728 FRAME: 0001 502973733

| DATE SIGNED: | 09/11/2014 |
|--------------------------------------|--|
| | This document serves as an Oath/Declaration (37 CFR 1.63). |
| Total Attachments: 15 | |
| source=20120892_Arda_Aksu_12-27-12 | 2_Dec_Assign#page1.tif |
| source=20120892_Arda_Aksu_12-27-12 | 2_Dec_Assign#page2.tif |
| source=20120892_Deepak_Kakadia_12 | -28-12_Dec_Assign#page1.tif |
| source=20120892_Deepak_Kakadia_12 | -28-12_Dec_Assign#page2.tif |
| source=20120892_John_F_Macias_12- | 27-12_Dec_Assign#page1.tif |
| source=20120892_John_F_Macias_12- | 27-12_Dec_Assign#page2.tif |
| source=20120892_Priscilla_Lau_12-27- | 12_Dec_Assign#page1.tif |
| source=20120892_Priscilla_Lau_12-27- | 12_Dec_Assign#page2.tif |
| source=20120892_Sagiv_Draznin_12-3 | 1-12_Dec_Assign#page1.tif |
| source=20120892_Sagiv_Draznin_12-3 | 1-12_Dec_Assign#page2.tif |
| source=20120892_Steven_R_Rados_12 | 2-21-12_Dec_Assign#page1.tif |
| source=20120892_Steven_R_Rados_12 | 2-21-12_Dec_Assign#page2.tif |
| source=20120892_Thomas_W_Haynes | _12-21-12_Dec_Assign#page1.tif |
| source=20120892_Thomas_W_Haynes | _12-21-12_Dec_Assign#page2.tif |

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PATENT REEL: 033728 FRAME: 0002

02/03

DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

| Patent Application Title: Presenting Information Based on User Profiles |
|---|
| the patent application for which: is being filed concurrently herewith, Application Number to be assigned by the USPTO, or was filed on as United States Application Number or PCT International Application Number |
| Declaration of Inventor |
| As a below named inventor, I hereby declare that: |
| A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application; |
| B. The above-identified application was made or authorized to be made by the; and |
| C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001. |
| nventor Assignment Acknowledgement |

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignce") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property...
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignce, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof, and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Arda Aksu

Mailing Address: 682 Wavery Pad.

Signature:

Date

DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

| Patent | Application Title: Presenting Information Based on User Profiles |
|-----------------|--|
| ⊠ is b □ wa | ent application for which: eing filed concurrently herewith, Application Number to be assigned by the USPTO, or s filed on as United States Application Number or PCT International ation Number |
| <u>Declar</u> : | ation of Inventor |
| As a be | slow named inventor, I hereby declare that: |
| A. | I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application; |
| В. | The above-identified application was made or authorized to be made by me; and |
| C. | I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001. |
| | |

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

NEBISON MIBELESS

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

| Full legal name of Inventor: <u>Deepak Kakadia</u> | | | |
|---|----------|------------|----------------|
| Mailing Address: 32517 Spanish Bay Ct., Union City, | CA 94587 | | |
| San | CA 9430) | ^ | |
| Signature: | Date: | <u>Rec</u> | <u>28</u> 2012 |

VZ Dodes No.: 20120892

DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

| 3,0090000 3 | Applications Title: Copyright Internation Massive College Profiles |
|---------------|--|
| | nt application for which: ing filed concurrently herewith, Application Number to be assigned by the USPTO, or filed on as United States Application Number or PCT International tion Number |
| <u> Dicke</u> | tion of Inventor |
| ts a be | ow named inventor. I hereby declare that: |
| | I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is axught by the above identified patent application; |
| 38. | The above-likestified application was made or authorized to be made by me; and |
| C | I hereby acknowledge that any willful false statements made in this declaration are panishable by fine or imprisonment, or both, under 18 U.S.C. § 1/80). |
| anx round on | Supplication of the substitution of a Britanian control |

investor Assignment Advance (Agreem)

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, bite and increas in and to any and all ideas, inventions, not hold and improvements which are described in the above identified potent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, reserved, triangle, provisional, and all other applications or registrations for Letters Potent which have been or shall be filled in the United States and all foreign countries based on any of said plans, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all rights of original and released Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility moders, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
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PATENT

C. I coverant with Antigone, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set first horein is preserved by me.

ASSIGNEE: Verticon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verticon Way, Bushing Ridge, NJ 07920 US

| Fulf legal name o | i inventor: 1916 | 0.1 | | |
|----------------------------|----------------------|--|-------------|--|
| ta sidoplika din sido of A | teacht a bei tale in | | | |
| Mailing Address: | | and the second contract of the second contrac | X (A 2458) | |
| | | | 1904 (1904) | |

DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

Inventor Assignment Acknowledgement

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
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ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

Full legal name of Inventor: Priscilla Lau

Mailing Address: 46911 Bodie Terrace, Fremont, CA 94539

Signature: Dec 27, 20/2

VZ 18x4:3 No.: 20120892

DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

| the pater | pplication Title: <u>Presenting Information Based on User Profiles</u> st application for which: ing filed concurrently herewith, Application Number to be assigned by the USPTO, or filed onas United States Application Number or PCF International ition Number |
|-----------|---|
| Declara | ion of Inventor |
| As a bei | ow named inventor, I hereby declare that: |
| A. | I believe I am the original inventor or an original joint inventor of the subject matter which is elaimed and for which a patent is sought by the above-identified patent application; |
| 88. | The above-identified application was made or authorized to be made by me, and |
| Ç. | I hereby acknowledge that any willful false statements made in this declaration are positisable by fine or imprisonment, or both, under 18 U.S.C. § 1001. |
| Locanto | Accionment Arkmawledgement |

For good and valuable consideration, the receipt of which is bereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in pant), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- If agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good taith the intent and purpose of this agreement. I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights, (iii) to execute all rightful naths, declarations, assignments, powers of attorney and other papers related to the Patent Rights, (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof, and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider destrable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

PATENT REEL: 033728 FRAME: 0011 C. I coverant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

| IN WITNESS to my | agreement to the foregoing, I b | ave executed as set | forth below: | |
|-----------------------|---|--|--------------|-------|
| Full legal name of in | ventor: <u>Sagiv Draznia</u> | ann an ann an | | |
| Mailing Address: 34 | 2 <mark>4 Withersed Lage, W</mark> almu Cro | <u> </u> | | |
| Signature: | <u> </u> | Date | 12/3/ | 12012 |

DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

| Patent A | pplication Title: Presenting Information Based on User Profiles |
|-------------------|--|
| ⊠ is bei □ was | nt application for which: ing filed concurrently herewith, Application Number to be assigned by the USPTO, or ing filed on as United States Application Number or PCT International ion Number |
| <u>Declarat</u> | cion of Inventor |
| As a bel | ow named inventor, I hereby declare that: |
| Α. | I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application; |
| В. | The above-identified application was made or authorized to be made by me; and |
| | I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001. |
| | . Ai-rement Acknowledgement |

Inventor Assignment Acknowledgement

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
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C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

| Full legal name of Inventor: Steven R. Rados |
|--|
| Mailing Address: 643 Crystal Springs Court Danville, CA 94506 Signature: Date: 12/21/12 |
| Signature: Date: 1 - 7 - 277. |

DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

| Patent A | Application Title: Presenting Information Based on User Profiles |
|----------------|--|
| is be | nt application for which: sing filed concurrently herewith, Application Number to be assigned by the USPTO, or filed on as United States Application Number or PCT Internationa tion Number, |
| <u>Declara</u> | tion of Inventor |
| As a bel | ow named inventor, I hereby declare that: |
| A, | I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application; |
| В. | The above-identified application was made or authorized to be made by me; and |
| C. | I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001. |
| Inventor | Assignment Acknowledgement |

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby soll, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
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ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

| Full legal name of Inventor: Thomas W. Haynes |
|---|
| Mailing Address: 400 Old Ranch Court, San Ramon, CA 94582 |
| Signature: 12/2/2012 |

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 | 12/21/2012 |
| Deepak Kakadia | 12/28/2012 |
| John F Macias | 12/27/2012 |
| Priscilla Lau | 12/27/2012 |
| Sagiv Draznin | 12/31/2012 |
| Steven R Rados | 12/21/2012 |
| Thomas W Haynes | 12/21/2012 |

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: | 13731785 <u>13731786</u> | - |

CORRESPONDENCE DATA

7033513665 Fax Number:

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

Email: patents@verizon.com

Correspondent Name: VERIZON PATENT MANAGEMENT GROUP

Address Line 1: 1320 North Court House Road

Address Line 2: 9th Floor

RECORDED: 09/12/2014

Address Line 4: ARLINGTON, NEW JERSEY 22201

| ATTORNEY DOCKET NUMBER: | 20120892 |
|-------------------------|----------|
| | |

PATENT

REEL: 033728 FRAME: 0017