

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4170754

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|------------------------------------|--|
| SUBMISSION TYPE: | RESUBMISSION |
| NATURE OF CONVEYANCE: | SECURITY AGREEMENT |
| RESUBMIT DOCUMENT ID: | 504119170 |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| YELLOWPAGES.COM LLC | 11/23/2016 |
| RECEIVING PARTY DATA | |
| Name: | PNC BANK, NATIONAL ASSOCIATION, AS AGENT |
| Street Address: | TWO TOWER CENTER BOULEVARD |
| City: | EAST BRUNSWICK |
| State/Country: | NEW JERSEY |
| Postal Code: | 08816 |
| PROPERTY NUMBERS Total: 200 | |
| Property Type | Number |
| Patent Number: | 8024224 |
| Patent Number: | 8468050 |
| Patent Number: | 9202219 |
| Patent Number: | 7428497 |
| Patent Number: | 7366683 |
| Patent Number: | 8121898 |
| Patent Number: | 9183559 |
| Patent Number: | 7505920 |
| Patent Number: | 9208495 |
| Patent Number: | 9203974 |
| Application Number: | 11536628 |
| Patent Number: | 9202217 |
| Patent Number: | 9208496 |
| Patent Number: | 9208497 |
| Patent Number: | 9208498 |
| Patent Number: | 9087336 |
| Application Number: | 11565554 |
| Patent Number: | 8140389 |
| Application Number: | 11624631 |

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11678032 |
| Patent Number: | 8140392 |
| Patent Number: | 8601386 |
| Application Number: | 11738300 |
| Application Number: | 11862111 |
| Patent Number: | 9026515 |
| Patent Number: | 8838476 |
| Patent Number: | 8843107 |
| Patent Number: | 8209225 |
| Patent Number: | 9105032 |
| Patent Number: | 8417698 |
| Application Number: | 12121668 |
| Patent Number: | 8595847 |
| Patent Number: | 8934614 |
| Patent Number: | 8724789 |
| Patent Number: | 8595186 |
| Patent Number: | 8700447 |
| Patent Number: | 9043431 |
| Patent Number: | 9047591 |
| Patent Number: | 9177068 |
| Patent Number: | 8423536 |
| Patent Number: | 8863262 |
| Application Number: | 12205459 |
| Patent Number: | 8121586 |
| Patent Number: | 8224766 |
| Patent Number: | 8620624 |
| Application Number: | 12269010 |
| Patent Number: | 8700418 |
| Patent Number: | 8412770 |
| Patent Number: | 9223866 |
| Patent Number: | 8794971 |
| Application Number: | 12940976 |
| Application Number: | 12952975 |
| Application Number: | 12965741 |
| Application Number: | 12965773 |
| Patent Number: | 8630895 |
| Patent Number: | 8645208 |
| Patent Number: | 8645209 |

| Property Type | Number |
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| Patent Number: | 9218390 |
| Patent Number: | 8959098 |
| Patent Number: | 9230260 |
| Patent Number: | 9367855 |
| Patent Number: | 8644848 |
| Patent Number: | 8812021 |
| Patent Number: | 8634523 |
| Patent Number: | 9390433 |
| Patent Number: | 9118778 |
| Patent Number: | 8849312 |
| Patent Number: | 8521596 |
| Patent Number: | 9049546 |
| Application Number: | 13668602 |
| Patent Number: | 9047316 |
| Patent Number: | 8751578 |
| Patent Number: | 8676789 |
| Patent Number: | 8868552 |
| Patent Number: | 8843392 |
| Application Number: | 13866995 |
| Patent Number: | 9100359 |
| Application Number: | 13903608 |
| Patent Number: | 9152976 |
| Application Number: | 13961779 |
| Patent Number: | 9300703 |
| Patent Number: | 8856014 |
| Patent Number: | 9286626 |
| Patent Number: | 9385928 |
| Patent Number: | 8924880 |
| Application Number: | 14088188 |
| Application Number: | 14221558 |
| Application Number: | 14459166 |
| Application Number: | 14496234 |
| Application Number: | 14509891 |
| Patent Number: | 9147220 |
| Application Number: | 14595942 |
| Application Number: | 14645252 |
| Application Number: | 14716804 |
| Patent Number: | 9307356 |

| Property Type | Number |
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| Application Number: | 14716807 |
| Application Number: | 14725438 |
| Patent Number: | 9305304 |
| Application Number: | 14737109 |
| Application Number: | 14753996 |
| Application Number: | 14804163 |
| Application Number: | 14816879 |
| Application Number: | 15069347 |
| Patent Number: | 5907677 |
| Patent Number: | 6223165 |
| Patent Number: | 7308422 |
| Patent Number: | 6519570 |
| Patent Number: | 6865540 |
| Patent Number: | 6636590 |
| Patent Number: | 7542936 |
| Patent Number: | 6523010 |
| Patent Number: | 7289623 |
| Patent Number: | 6549889 |
| Patent Number: | 6546372 |
| Patent Number: | 6704403 |
| Patent Number: | 7475149 |
| Patent Number: | 7580850 |
| Patent Number: | 7937439 |
| Patent Number: | 6801899 |
| Patent Number: | 7359498 |
| Patent Number: | 7698183 |
| Patent Number: | 7289612 |
| Patent Number: | 7120235 |
| Patent Number: | 7886009 |
| Patent Number: | 7249045 |
| Patent Number: | 7224781 |
| Patent Number: | 7424442 |
| Patent Number: | 8027878 |
| Patent Number: | 7979308 |
| Patent Number: | 8538768 |
| Patent Number: | 8761154 |
| Patent Number: | 8125931 |
| Patent Number: | 7720091 |

| Property Type | Number |
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| Patent Number: | 9183545 |
| Patent Number: | 8180676 |
| Patent Number: | 9197479 |
| Patent Number: | 7876886 |
| Patent Number: | 8069082 |
| Patent Number: | 9202220 |
| Patent Number: | 8077849 |
| Patent Number: | 8437256 |
| Patent Number: | 8451825 |
| Application Number: | 11688245 |
| Patent Number: | 7453998 |
| Patent Number: | 9106473 |
| Patent Number: | 8837710 |
| Patent Number: | 8681778 |
| Patent Number: | 9106704 |
| Patent Number: | 8837698 |
| Application Number: | 11737975 |
| Patent Number: | 8599832 |
| Patent Number: | 9143619 |
| Patent Number: | 9094486 |
| Patent Number: | 9094487 |
| Patent Number: | 7729938 |
| Patent Number: | 8027453 |
| Patent Number: | 9317855 |
| Patent Number: | 8532276 |
| Patent Number: | 7657013 |
| Application Number: | 11960638 |
| Patent Number: | 7519170 |
| Patent Number: | 8200534 |
| Patent Number: | 9209984 |
| Patent Number: | 8452655 |
| Patent Number: | 8473386 |
| Application Number: | 12101098 |
| Patent Number: | 8396054 |
| Patent Number: | 8504426 |
| Patent Number: | 9277019 |
| Patent Number: | 8320368 |
| Patent Number: | 8280018 |

| Property Type | Number |
|---------------------|----------|
| Patent Number: | 8185437 |
| Patent Number: | 8295465 |
| Patent Number: | 9237213 |
| Application Number: | 12130960 |
| Patent Number: | 8681952 |
| Patent Number: | 8515035 |
| Patent Number: | 8554617 |
| Patent Number: | 7995723 |
| Patent Number: | 8831965 |
| Patent Number: | 8027898 |
| Patent Number: | 8204191 |
| Patent Number: | 8396735 |
| Application Number: | 13179121 |
| Patent Number: | 9092793 |
| Patent Number: | 8484084 |
| Patent Number: | 8700461 |
| Patent Number: | 8731157 |
| Patent Number: | 8687783 |
| Patent Number: | 9094506 |
| Patent Number: | 8837466 |
| Patent Number: | 8848696 |
| Patent Number: | 9060063 |
| Patent Number: | 8937887 |
| Application Number: | 13868903 |
| Application Number: | 14263731 |
| Patent Number: | 9386164 |
| Patent Number: | 9380160 |
| Patent Number: | 9401987 |
| Application Number: | 14263891 |

CORRESPONDENCE DATA

Fax Number: (800)914-4240

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.

Email: james.murray@wolterskluwer.com

Correspondent Name: JIM MURRAY

Address Line 1: 4400 EASTON COMMONS WAY

Address Line 4: COLUMBUS, OHIO 43219

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| NAME OF SUBMITTER: | CORENDA R. LEWIS |
|--------------------|------------------|

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|---|--------------------|
| SIGNATURE: | /Corenda R. Lewis/ |
| DATE SIGNED: | 12/06/2016 |
| Total Attachments: 29 source=Yellowpages com LLC - Patent Coversheet Security Agreement#page1.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page2.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page3.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page4.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page5.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page6.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page7.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page8.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page9.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page10.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page11.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page12.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page13.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page14.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page15.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page16.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page17.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page18.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page19.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page20.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page21.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page22.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page23.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page24.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page25.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page26.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page27.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page28.tif source=Yellowpages com LLC - Patent Coversheet Security Agreement#page29.tif | |

GRANT OF SECURITY INTEREST- - PATENTS

YELLOWPAGES.COM LLC

WHEREAS, YellowPages.com LLC (the "Grantor") holds all right, title and interest in the letter patents, design patents and utility patents listed on the attached Schedule A, which patents are issued or applied for in the United States Patent and Trademark Office (the "Patents");

WHEREAS, the Grantor has entered into a Pledge and Security Agreement, dated November 13, 2012 (as amended, restated, supplemented, modified or otherwise changed from time to time, the "Security Agreement"), in favor of PNC Bank, National Association, as the Collateral Agent for itself and certain lenders (in such capacity, together with its successors and assigns, if any, the "Grantee"); and

WHEREAS, pursuant to the Security Agreement, the Grantor has assigned to the Grantee and granted to the Grantee for the benefit of the Secured Parties (as defined in the Security Agreement) a continuing security interest in all right, title and interest of the Grantor in, to and under the Patents and the applications and registrations thereof, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof and any and all damages arising from past, present and future violations thereof (the "Collateral"), to secure the payment, performance and observance of the Secured Obligations (as defined in the Security Agreement).

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor does hereby pledge, convey, sell, assign, transfer and set over unto the Grantee and grants to the Grantee for the benefit of the Grantee and the Lenders a continuing security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations.

The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Grantee with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

Dated as of November 23, 2016

IN WITNESS WHEREOF, the Grantor has caused this Grant of Security Interest - Patents to be duly executed by its officer thereunto duly authorized as of the date first written above.

YELLOWPAGES.COM LLC

By: 

Name: Mark W. Smith

Title: Chief Financial Officer

SCHEDULE A TO GRANT OF SECURITY INTEREST

Patent and Patent Applications

| Country | Owner | Relationship | Application No. | Patent No | Title | Status |
|---------------|---------------------|----------------------|-----------------|-----------|--|---------|
| United States | YellowPages.com LLC | Original Filing | 10/872,117 | 8024224 | Method And Apparatus To Provide Pay-Per-Call Advertising And Billing | Granted |
| United States | YellowPages.com LLC | Continuation | 10/956,571 | 8468050 | Method And System To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/077,516 | 9202219 | System And Method To Merge Pay-For-Performance Advertising Models | Granted |
| United States | YellowPages.com LLC | Continuation-in-part | 11/077,655 | 7428497 | Methods And Apparatuses For Pay-Per-Call Advertising In Mobile/Wireless Applications | Granted |
| United States | YellowPages.com LLC | Continuation-in-part | 11/092,309 | 7366683 | Methods And Apparatuses For Offline Selection Of Pay-Per-Call Advertisers | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/095,853 | 8121898 | Methods And Apparatuses For Geographic Area Selections In Pay-Per-Call Advertisement | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/467,148 | 9183559 | Systems And Methods To Convert A Call Generated From An Advertisement | Granted |

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|---------------|---------------------|-----------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Continuation | 11/490,709 | 7505920 | Methods And Apparatuses For Pay-Per-Call Advertising In Mobile/Wireless Applications | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/505,225 | 9208495 | Methods And Apparatuses For Advertisement Presentation | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/536,616 | 9203974 | Methods And Apparatuses For Offline Selection Of Pay-Per-Call Advertisers | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/536,628 | N/A | Methods And Apparatuses For Advertisements On Mobile Devices For Communication Connections | Filed |
| United States | YellowPages.com LLC | Original Filing | 11/556,668 | 9202217 | Methods And Apparatuses To Manage Multiple Advertisements | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/558,859 | 9208496 | Systems And Methods To Provide A Communication Reference In A Representation Of A Geographical Region | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/559,860 | 9208497 | Methods And Apparatuses For Prioritizing Advertisements For Presentation | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/559,866 | 9208498 | Methods And Apparatuses To Track Keywords For Establishing Communication Links | Granted |

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|---------------|---------------------|----------------------|------------|---------|--|---------|
| United States | YellowPages.com LLC | Original Filing | 11/565,546 | 9087336 | Method And Apparatus To Select Communication Tracking Mechanisms | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/565,554 | N/A | Methods And Apparatuses To Provide Prompts In Connecting Customers To Advertisers | Filed |
| United States | YellowPages.com LLC | Original Filing | 11/624,613 | 8140389 | Methods And Apparatuses For Pay For Deal Advertisements | Granted |
| United States | YellowPages.com LLC | Continuation-in-part | 11/624,631 | N/A | System And Method For Providing Advertisement | Filed |
| United States | YellowPages.com LLC | Original Filing | 11/678,032 | N/A | Methods And Systems For Pay For Performance Advertisements | Filed |
| United States | YellowPages.com LLC | Original Filing | 11/688,115 | 8140392 | Methods And Apparatuses For Pay For Lead Advertisements | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/738,235 | 8601386 | Methods And Systems To Facilitate Real Time Communications In Virtual Reality | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/738,300 | N/A | Methods And Systems To Determine Availability For Real Time Communications Via Virtual Reality | Filed |
| United States | YellowPages.com LLC | Original Filing | 11/862,111 | N/A | Systems And Methods To Facilitate The Specification Of A Complex Geographic Area | Filed |

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|---------------|---------------------|-----------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Original Filing | 11/863,208 | 9026515 | Systems And Methods To Provide Communication References From Different Sources To Connect People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/876,704 | 8838476 | Systems And Methods To Provide Information And Connect People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/027,208 | 8843107 | Methods And Apparatuses To Connect Users Of Mobile Devices To Advertisers | Granted |
| United States | YellowPages.com LLC | Continuation | 12/062,425 | 8209225 | Methods And Apparatuses For Offline Selection Of Pay-Per-Call Advertisers | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/114,556 | 9105032 | Systems And Methods To Provide Advertisements For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/116,169 | 8417698 | Systems And Methods To Provide Search Based On Social Graphs And Affinity Groups | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/121,668 | N/A | Systems And Methods To Manage Presentations Of Advertisements | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/122,598 | 8595847 | Systems And Methods To Control Web Scraping | Granted |

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|---------------|---------------------|----------------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Original Filing | 12/127,585 | 8934614 | Systems And Methods For Dynamic Pay For Performance Advertisements | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/128,571 | 8724789 | Systems And Methods To Connect People For Real Time Communications Via Directory Assistance | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/135,089 | 8595186 | System And Method For Building And Delivering Mobile Widgets | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/135,090 | 8700447 | Systems And Methods To Present Search Results Of Business Listings | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/135,098 | 9043431 | Systems And Methods To Plan Events At Different Locations | Granted |
| United States | YellowPages.com LLC | Continuation-in-part | 12/165,566 | 9047591 | Systems And Methods To Plan Events At Different Locations | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/186,482 | 9177068 | Systems And Methods To Facilitate Search Of Business Entities | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/186,486 | 8423536 | Systems And Methods To Sort Information Related To Entities Having Different Locations | Granted |

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|---------------|---------------------|-----------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Original Filing | 12/195,334 | 8863262 | Systems And Methods To Provide Information And Services To Authorized Users | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/205,459 | N/A | Systems And Methods To Selectively Provide Information Based On User Interest | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/211,365 | 8121586 | Systems And Methods For Voice Based Search | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/241,227 | 8224766 | Comparing Spatial-Temporal Trails In Location Analytics | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/241,266 | 8620624 | Event Identification In Sensor Analytics | Granted |
| United States | YellowPages.com LLC | Continuation | 12/269,010 | N/A | Methods And Apparatuses For Pay-Per-Call Advertising In Mobile/Wireless Applications | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/639,915 | 8700418 | Method And System For Acquiring High Quality Non-Expert Knowledge From An On-Demand Workforce | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/702,114 | 8412770 | Providing An Answer To A Question From A Social Network Site Using A Separate Messaging Site | Granted |

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|---------------|---------------------|-----------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Original Filing | 12/702,131 | 9223866 | Tagged Favorites From Social Network Site For Use In Search Request On A Separate Site | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/901,520 | 8794971 | Method And System For Assigning A Task To Be Processed By A Crowdsourcing Platform | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/940,976 | N/A | Selecting Advertisements From One Or More Databases For Sending To A Publisher | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/952,975 | N/A | Selecting Advertisements For Users Via A Targeting Database | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/965,741 | N/A | Ranking Advertisements Selected From One Or More Databases By Georelevance | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/965,773 | N/A | Selecting And Ranking Advertisements From One Or More Databases Using Advertiser Budget Information | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/968,213 | 8630895 | Systems And Methods For Saving Advertisements | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/968,214 | 8645208 | Systems And Methods For Providing Automatic Reminders For Saved Advertisements | Granted |

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|---------------|---------------------|-----------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Original Filing | 12/968,231 | 8645209 | Real Time User Activity-Driven Targeted Advertising System | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/194,887 | 9218390 | Query Parser Derivation Computing Device And Method For Making A Query Parser For Parsing Unstructured Search Queries | Granted |
| United States | YellowPages.com LLC | Continuation | 13/304,111 | 8959098 | System And Method Of Performing Location Analytics | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/310,492 | 9230260 | System And Method For Instant Deals In A Mobile Communication Network | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/310,584 | 9367855 | Telephony Based Reward System | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/310,644 | 8644848 | Systems And Methods For Location Sensitive Alerts In A Mobile Communication Network | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/310,657 | 8812021 | System And Method For Coordinating Meetings Between Users Of A Mobile Communication Network | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/311,505 | 8634523 | Telephonic Information Distribution System And Method | Granted |

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|---------------|---------------------|----------------------|------------|---------|--|---------|
| United States | YellowPages.com LLC | Original Filing | 13/311,509 | 9390433 | System And Method For Hyper Local Advertisements In A Mobile Communication Network | Granted |
| United States | YellowPages.com LLC | Continuation | 13/421,785 | 9118778 | Methods And Apparatuses For Pay For Deal Advertisements | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/488,608 | 8849312 | User Description Based On Contexts Of Location And Time | Granted |
| United States | YellowPages.com LLC | Continuation | 13/517,754 | 8521596 | Method And Apparatuses For Offline Selection Of Pay-Per-Call Advertisers | Granted |
| United States | YellowPages.com LLC | Continuation-in-part | 13/563,784 | 9049546 | User Description Based On A Context Of Travel | Granted |
| United States | YellowPages.com LLC | Original Filing | 13/668,602 | N/A | Method For Analyzing And Ranking Venues | Filed |
| United States | YellowPages.com LLC | Continuation-in-part | 13/751,738 | 9047316 | Venue Prediction Based On Ranking | Granted |
| United States | YellowPages.com LLC | Continuation | 13/781,589 | 8751578 | Providing An Answer To A Question From A Social Network Site Using A Separate Messaging Site | Granted |
| United States | YellowPages.com LLC | Continuation | 13/830,383 | 8676789 | Systems And Methods To Sort Information Related To Entities Having Different Locations | Granted |

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|---------------|---------------------|--------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Continuation | 13/841,695 | 8868552 | Systems And Methods To Facilitate Searches Based On Social Graphs And Affinity Groups | Granted |
| United States | YellowPages.com LLC | Continuation | 13/866,838 | 8843392 | Apparatus And Method For Recruiting, Communicating With, And Paying Participants Of Interactive Advertising | Granted |
| United States | YellowPages.com LLC | Continuation | 13/866,995 | N/A | Systems And Methods To Facilitate Real Time Communications And Commerce Via A Social Network | Filed |
| United States | YellowPages.com LLC | Continuation | 13/900,234 | 9100359 | Systems And Methods To Facilitate Real Time Communications Between Members Of A Social Network | Granted |
| United States | YellowPages.com LLC | Continuation | 13/903,608 | N/A | System And Methods To Connect People In A Marketplace Environment | Filed |
| United States | YellowPages.com LLC | Continuation | 13/945,845 | 9152976 | Systems And Methods To Connect People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Continuation | 13/961,779 | N/A | Method And Apparatuses For Offline Selection Of Pay-Per-Call Advertisers | Filed |

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|---------------|---------------------|--------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Continuation | 13/972,626 | 9300703 | Systems And Methods To Provide Telephonic Connections Via Concurrent Calls | Granted |
| United States | YellowPages.com LLC | Continuation | 13/973,912 | 8856014 | Methods And Apparatuses For Delivery Of Advice To Mobile/Wireless Devices | Granted |
| United States | YellowPages.com LLC | Continuation | 14/023,240 | 9286626 | Systems And Methods To Provide Alternative Connections For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Continuation | 14/061,633 | 9385928 | Systems And Methods To Control Web Scraping | Granted |
| United States | YellowPages.com LLC | Continuation | 14/066,438 | 8924880 | Methods And Systems To Facilitate Real Time Communications In Virtual Reality | Granted |
| United States | YellowPages.com LLC | Continuation | 14/088,188 | N/A | Systems And Methods For Saving Advertisements | Filed |
| United States | YellowPages.com LLC | Continuation | 14/221,558 | N/A | Method And Apparatus To Allocate And Recycle Telephone Numbers In A Call-Tracking System | Filed |
| United States | YellowPages.com LLC | Continuation | 14/459,166 | N/A | System And Method For Coordinating Meetings Between Users Of A Mobile Communication Network | Filed |

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| United States | YellowPages.com LLC | Continuation | 14/496,234 | N/A | User Description Based On Contexts Of Location And Time | Filed |
| United States | YellowPages.com LLC | Continuation | 14/509,891 | N/A | Systems And Methods To Provide Information And Services To Authorized Users | Filed |
| United States | YellowPages.com LLC | Continuation | 14/516,875 | 9147220 | Systems And Methods To Facilitate Searches Based On Social Graphs And Affinity Groups | Granted |
| United States | YellowPages.com LLC | Continuation | 14/595,942 | N/A | System And Method Of Performing Location Analytics | Filed |
| United States | YellowPages.com LLC | Continuation | 14/645,252 | N/A | Systems And Methods To Plan Events At Different Locations | Filed |
| United States | YellowPages.com LLC | Continuation | 14/716,804 | N/A | Systems And Methods To Plan Events At Different Locations | Filed |
| United States | YellowPages.com LLC | Continuation | 14/716,805 | 9307356 | User Description Based On A Context Of Travel | Granted |
| United States | YellowPages.com LLC | Continuation | 14/716,807 | N/A | Venue Prediction Based On Ranking | Filed |
| United States | YellowPages.com LLC | Continuation | 14/725,438 | N/A | Systems And Methods To Provide Connections Via Acceptance | Filed |

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|----------------------------|---------------------|-----------------|------------|---------|--|---------|
| United States | YellowPages.com LLC | Continuation | 14/735,814 | 9305304 | Methods And Apparatuses To Select Communication Tracking Mechanisms | Granted |
| United States | YellowPages.com LLC | Continuation | 14/737,109 | N/A | Systems And Methods To Connect Members Of A Social Network For Real Time Communication | Filed |
| United States | YellowPages.com LLC | Continuation | 14/753,996 | N/A | Systems And Methods To Provide Advertisements For Real Time Communications | Filed |
| United States | YellowPages.com LLC | Continuation | 14/804,163 | N/A | Methods And Apparatuses For Pay For Deal Advertisements | Filed |
| United States | YellowPages.com LLC | Continuation | 14/816,879 | N/A | Methods And Apparatuses To Track Information Using Call Signaling Messages | Filed |
| United States | YellowPages.com LLC | Continuation | 15/069,347 | N/A | Systems And Methods To Provide Voice Connections Via Local Telephone Numbers | Filed |
| Canada | YellowPages.com LLC | Original Filing | 2504623 | 2504623 | A Method And Apparatus To Provide Pay-Per-Call Advertising And Billing | Granted |
| Canada | YellowPages.com LLC | Divisional | 2894065 | N/A | Systems And Methods To Facilitate Searches Via Social Network | Filed |
| European Patent Convention | YellowPages.com LLC | Original Filing | 6837585 | N/A | Methods And Apparatuses For Offline Selection Of Pay-Per-Call | Filed |

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| | | | | | Advertisers | |
| United States | YellowPages.com LLC | Original Filing | 08/702,833 | 5907677 | Method For Establishing Anonymous Communication Links | Granted |
| United States | YellowPages.com LLC | Original Filing | 09/488,130 | 6223165 | Method And Apparatus To Connect Consumer To Expert | Granted |
| United States | YellowPages.com LLC | Continuation-in-part | 09/522,322 | 7308422 | System For Recording And Distributing Recorded Information Over The Internet | Granted |
| United States | YellowPages.com LLC | Continuation | 09/565,587 | 6519570 | System And Method For Conducting A Time Auction | Granted |
| United States | YellowPages.com LLC | Original Filing | 09/635,506 | 6865540 | Method And Apparatus For Providing Group Calls Via The Internet | Granted |
| United States | YellowPages.com LLC | Original Filing | 09/702,217 | 6636590 | Apparatus And Method For Specifying And Obtaining Services Through Voice Commands | Granted |
| United States | YellowPages.com LLC | Original Filing | 09/705,388 | 7542936 | Method, Apparatus And System For Marketing, Delivering, And Collecting Payment For Information | Granted |
| United States | YellowPages.com LLC | Continuation | 09/733,872 | 6523010 | Assistance Method And Apparatus | Granted |
| United States | YellowPages.com LLC | Original Filing | 09/764,021 | 7289623 | System And Method For An Online Speaker Patch-Through | Granted |

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| United States | YellowPages.com LLC | Continuation | 09/782,925 | 6549889 | Assistance Method And Apparatus | Granted |
| United States | YellowPages.com LLC | Continuation | 09/782,984 | 6546372 | Assistance Method And Apparatus | Granted |
| United States | YellowPages.com LLC | Original Filing | 09/947,591 | 6704403 | Apparatus And Method For Ensuring A Real-Time Connection Between Users And Selected Service Provider Using Voice Mail | Granted |
| United States | YellowPages.com LLC | Continuation-in-part | 10/015,968 | 7475149 | Apparatus And Method For Specifying And Obtaining Services Through An Audio Transmission Medium | Granted |
| United States | YellowPages.com LLC | Original Filing | 10/021,877 | 7580850 | Apparatus And Method For Online Advice Customer Relationship Management | Granted |
| United States | YellowPages.com LLC | Original Filing | 10/032,518 | 7937439 | Apparatus And Method For Scheduling Live Advice Communication With A Selected Service Provider | Granted |
| United States | YellowPages.com LLC | Continuation | 10/107,743 | 6801899 | Assistance Method And Apparatus | Granted |
| United States | YellowPages.com LLC | Original Filing | 10/460,776 | 7359498 | Systems And Methods For Arranging A Call | Granted |

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| United States | YellowPages.com LLC | Original Filing | 10/465,770 | 7698183 | Method And Apparatus For Prioritizing A Listing Of Information Providers | Granted |
| United States | YellowPages.com LLC | Continuation | 10/611,050 | 7289612 | Apparatus And Method For Ensuring A | Granted |
| United States | YellowPages.com LLC | Original Filing | 10/679,982 | 7120235 | Method And Apparatus To Provide Pay-Per-Call Performance Based Advertising | Granted |
| United States | YellowPages.com LLC | Original Filing | 10/923,396 | 7886009 | Gate Keeper | Granted |
| United States | YellowPages.com LLC | Continuation | 10/951,502 | 7249045 | Method And System To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Continuation | 10/956,771 | 7224781 | Method And System To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/014,073 | 7424442 | Method And Apparatus To Allocate And Recycle Telephone Numbers In A Call-Tracking System | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/021,939 | 8027878 | Method And Apparatus To Compensate Demand Partners In A Pay-Per-Call Performance Based Advertising System | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/072,147 | 7979308 | Methods And Apparatuses For Sorting Lists For Presentation | Granted |

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| United States | YellowPages.com LLC | Continuation-in-part | 11/123,566 | 8538768 | Methods And Apparatuses For Delivery Of Advice To Mobile/Wireless Devices | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/274,453 | 8761154 | Methods And Apparatuses To Access Advertisements Through Voice Over Internet Protocol (VOIP) Applications | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/329,459 | 8125931 | Systems And Methods To Provide Availability Indication | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/329,677 | 7720091 | Systems And Methods To Arrange Call Back | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/467,129 | 9183545 | Methods And Apparatuses For Scheduling Pay-Per-Call Advertising | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/467,145 | 8180676 | Systems And Methods To Connect People In A Marketplace Environment | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/467,146 | 9197479 | Systems And Methods To Manage A Queue Of People Requesting Real Time Communication Connections | Granted |
| United States | YellowPages.com LLC | Continuation | 11/508,015 | 7876886 | Method And Apparatus To Provide Pay-Per-Call Performance Based Advertising | Granted |

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| United States | YellowPages.com LLC | Original Filing | 11/536,630 | 8069082 | Methods And Apparatuses To Determine Prices Of Communication Leads | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/563,464 | 9202220 | Methods And Apparatuses To Provide Application Programming Interface For Retrieving Pay Per Call Advertisements | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/624,641 | 8077849 | Systems And Methods To Block Communication Calls | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/668,881 | 8437256 | Systems And Methods To Provide Communication Connections | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/678,012 | 8451825 | Systems And Methods To Confirm Initiation Of A Callback | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/688,245 | N/A | Methods And Apparatuses For Prioritizing Featured Listings | Filed |
| United States | YellowPages.com LLC | Continuation | 11/691,372 | 7453998 | Methods And Systems To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Continuation | 11/692,739 | 9106473 | Systems And Methods To Connect Buyers And Sellers | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/696,151 | 8837710 | Systems And Methods To Facilitate Searches | Granted |

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| United States | YellowPages.com LLC | Original Filing | 11/696,156 | 8681778 | Systems And Methods To Manage Privilege To Speak | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/697,932 | 9106704 | Systems And Methods To Provide Connections Via Acceptance | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/733,751 | 8837698 | Systems And Methods To Collect Information Just In Time For Connecting People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/737,975 | N/A | Methods And Systems To Connect People Via Virtual Reality For Real Time Communications | Filed |
| United States | YellowPages.com LLC | Original Filing | 11/752,267 | 8599832 | Methods And Apparatuses To Connect People For Real Time Communications Via Voice Over Internet Protocol (VOIP) | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/761,800 | 9143619 | Methods And Apparatuses To Track Information Using Call Signaling Messages | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/761,932 | 9094486 | Methods And Apparatuses To Track Information Via Passing Information During Telephonic Call Process | Granted |

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| United States | YellowPages.com LLC | Original Filing | 11/761,987 | 9094487 | Methods And Apparatuses To Track Information Via Telephonic Apparatuses | Granted |
| United States | YellowPages.com LLC | Continuation | 11/772,525 | 7729938 | Method And System To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Continuation | 11/775,207 | 8027453 | System And Method For An Online Speaker Patch-Through | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/778,878 | 9317855 | Systems And Methods To Provide Voice Connections Via Local Telephone Numbers | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/864,808 | 8532276 | Systems And Methods To Provide Telephonic Connections Via Concurrent Calls | Granted |
| United States | YellowPages.com LLC | Continuation | 11/927,534 | 7657013 | Apparatus And Method For Ensuring A Real-Time Connection Between Users And Selected Service Provider Using Voice Mail | Granted |
| United States | YellowPages.com LLC | Original Filing | 11/960,638 | N/A | Systems And Methods To Dynamically Generate Listings To Selectively Track User Responses | Filed |
| United States | YellowPages.com LLC | Continuation | 12/026,488 | 7519170 | Systems And Methods For Arranging A Call | Granted |

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|---------------|---------------------|-----------------|------------|---------|--|---------|
| United States | YellowPages.com LLC | Continuation | 12/026,491 | 8200534 | Method And Apparatus To Allocate And Recycle Telephone Numbers In A Call-Tracking System | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/027,144 | 9209984 | Systems And Methods To Facilitate Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/098,382 | 8452655 | Systems And Methods To Facilitate Real Time Communications And Commerce Via A Social Network | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/098,387 | 8473386 | Systems And Methods To Facilitate Real Time Communications Between Members Of A Social Network | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/101,098 | N/A | Systems And Methods To Facilitate Real Time Communications And Commerce Via Answers To Questions | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/114,603 | 8396054 | Systems And Methods To Facilitate Searches Of Communication References | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/117,697 | 8504426 | Systems And Methods To Connect People Via Videos For Real Time Communications | Granted |

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| United States | YellowPages.com LLC | Original Filing | 12/121,670 | 9277019 | Systems And Methods To Provide Communication References To Connect People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/121,676 | 8320368 | Systems And Methods To Provide Communication References Based On Recommendations To Connect People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/127,363 | 8280018 | Systems And Methods To Provide Information Via Connections For Real Time Communications Between People | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/127,713 | 8185437 | Systems And Methods To Provide Communication Connections Via Partners | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/130,894 | 8295465 | Systems And Methods To Connect Members Of A Social Network For Real Time Communication | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/130,901 | 9237213 | Methods And Apparatuses To Initiate Telephone Connections | Granted |

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| United States | YellowPages.com LLC | Original Filing | 12/130,960 | N/A | Systems And Methods To Generate Leads To Connect People For Real Time Communications | Filed |
| United States | YellowPages.com LLC | Original Filing | 12/130,966 | 8681952 | Systems And Methods To Selectively Provide Telephonic Connections | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/130,984 | 8515035 | Systems And Methods To Connect People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Original Filing | 12/130,987 | 8554617 | Systems And Methods To Provide Alternative Connections For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Continuation | 12/240,807 | 7995723 | Methods And Systems To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Continuation | 12/270,460 | 8831965 | Apparatus And Method For Online Advice Customer Relationship Management | Granted |
| United States | YellowPages.com LLC | Continuation | 12/534,770 | 8027898 | Method And Apparatus For Prioritizing A Listing Of Information Providers | Granted |

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| United States | YellowPages.com LLC | Continuation | 12/606,932 | 8204191 | Apparatus And Method For Ensuring A Real-Time Connection Between Users And Selected Service Provider Using Voice Mail | Granted |
| United States | YellowPages.com LLC | Continuation | 12/768,664 | 8396735 | Method And System To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Continuation | 13/179,121 | N/A | Methods And Apparatuses For Sorting Lists For Presentation | Filed |
| United States | YellowPages.com LLC | Continuation | 13/470,159 | 9092793 | Systems And Methods To Provide Communication Connections Via Partners | Granted |
| United States | YellowPages.com LLC | Continuation | 13/472,249 | 8484084 | System And Methods To Connect People In A Marketplace Environment | Granted |
| United States | YellowPages.com LLC | Continuation | 13/494,817 | 8700461 | Method And Apparatus To Allocate And Recycle Telephone Numbers In A Call-Tracking System | Granted |
| United States | YellowPages.com LLC | Continuation | 13/494,819 | 8731157 | Apparatus And Method For Ensuring A Real-Time Connection Between Users And Selected Service Provider Using Voice Mail | Granted |

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|---------------|---------------------|--------------|------------|---------|---|---------|
| United States | YellowPages.com LLC | Continuation | 13/603,067 | 8687783 | Systems And Methods To Provide Information Via Connections For Real Time Communications Between People | Granted |
| United States | YellowPages.com LLC | Continuation | 13/631,221 | 9094506 | Systems And Methods To Connect Members Of A Social Network For Real Time Communication | Granted |
| United States | YellowPages.com LLC | Continuation | 13/666,771 | 8837466 | Systems And Methods To Provide Communication References Based On Recommendations To Connect People For Real Time Communications | Granted |
| United States | YellowPages.com LLC | Continuation | 13/786,040 | 8848696 | Systems And Methods To Facilitate Searches Of Communication References | Granted |
| United States | YellowPages.com LLC | Continuation | 13/786,201 | 9060063 | Method And System To Connect Consumers To Information | Granted |
| United States | YellowPages.com LLC | Continuation | 13/850,188 | 8937887 | Systems And Methods To Provide Communication Connections | Granted |
| United States | YellowPages.com LLC | Continuation | 13/868,903 | N/A | Systems And Methods To Confirm Initiation Of A Callback | Filed |

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| United States | YellowPages.com LLC | Original Filing | 14/263,731 | N/A | Systems And Methods To Customize The Presentation Of Prompts To Establish Communication Connections | Filed |
| United States | YellowPages.com LLC | Original Filing | 14/263,778 | 9386164 | Systems And Methods To Establish Communication Connections Via Mobile Application | Granted |
| United States | YellowPages.com LLC | Original Filing | 14/263,807 | 9380160 | Systems And Methods To Customize Interactive Voice Response (IVR) Prompts Based On Information About A Caller | Granted |
| United States | YellowPages.com LLC | Original Filing | 14/263,867 | 9401987 | Systems And Methods To Provide Connections To Users In Different Geographic Regions | Granted |
| United States | YellowPages.com LLC | Original Filing | 14/263,891 | N/A | Systems And Methods To Provide Multiple Connections For Anonymous Communication In A Virtual Environment | Filed |