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|                                                                                                                                     |                        |                                      |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><br><i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i> | Attorney Docket No.    | 058377-0423891                       |
|                                                                                                                                     | First Inventor         | David J. Leggett                     |
|                                                                                                                                     | Title                  | SMS COMMUNICATION DURING EMERGENCIES |
|                                                                                                                                     | Express Mail Label No. |                                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATION ELEMENTS</b><br><i>See MPEP chapter 600 concerning utility patent application contents.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>ADDRESS TO:</b><br><b>Commissioner for Patents</b><br><b>P.O. Box 1450</b><br><b>Alexandria VA 22313-1450</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1. <input type="checkbox"/> <b>Fee Transmittal Form.</b><br>(PTO/SB/17 or equivalent)<br>2. <input type="checkbox"/> <b>Applicant claims small entity status.</b><br>See 37 CFR 1.27.<br>3. <input checked="" type="checkbox"/> <b>Specification.</b> [Total Pages <u>38</u> ]<br>Both the claims and abstract must start on a new page<br>(For information on the preferred arrangement, see MPEP § 608.01(a))<br>4. <input checked="" type="checkbox"/> <b>Drawing(s).</b> (35 U.S.C. 113) [Total Sheets <u>7</u> ]<br>5. <b>Inventor's Oath or Declaration.</b> [Total Sheets _____]<br>(including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))<br>a. <input type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> A copy from a prior application (37 CFR 1.63(d))<br>6. <input checked="" type="checkbox"/> <b>Application Data Sheet.</b> *See Note below.<br>See 37 CFR 1.76 (PTO/AIA/14 or equivalent)<br>7. <input type="checkbox"/> <b>CD-ROM or CD-R.</b><br>in duplicate, large table or Computer Program (Appendix)<br><input type="checkbox"/> Landscape Table on CD<br>8. <b>Nucleotide and/or Amino Acid Sequence Submission.</b><br>(if applicable, items a. – c. are required)<br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. <input type="checkbox"/> Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> Paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies | <b>ACCOMPANYING APPLICATION PARTS</b><br>9. <input type="checkbox"/> <b>Assignment Papers.</b><br>(cover sheet & document(s))<br>Name of Assignee _____<br>10. <input type="checkbox"/> <b>37 CFR 3.73(c) Statement.</b> <input type="checkbox"/> <b>Power of Attorney.</b><br>(when there is an assignee)<br>11. <input type="checkbox"/> <b>English Translation Document.</b><br>(if applicable)<br>12. <input checked="" type="checkbox"/> <b>Information Disclosure Statement.</b><br>(PTO/SB/08 or PTO-1449)<br><input type="checkbox"/> Copies of citations attached<br>13. <input type="checkbox"/> <b>Preliminary Amendment.</b><br>14. <input type="checkbox"/> <b>Return Receipt Postcard.</b><br>(MPEP § 503) (Should be specifically itemized)<br>15. <input type="checkbox"/> <b>Certified Copy of Priority Document(s).</b><br>(if foreign priority is claimed)<br>16. <input checked="" type="checkbox"/> <b>Nonpublication Request.</b><br>Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.<br>17. <input type="checkbox"/> <b>Other:</b> _____ |
| <p><b>*Note:</b> (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 <b>must</b> be included in an Application Data Sheet (ADS).<br/> (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                                                                                                                                                               |                      |          |                                   |                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------|-----------------------------------|-----------------|--|
| <b>18. CORRESPONDENCE ADDRESS</b>                                                                                                                             |                      |          |                                   |                 |  |
| <input checked="" type="checkbox"/> The address associated with Customer Number: <u>00909</u> <b>OR</b> <input type="checkbox"/> Correspondence address below |                      |          |                                   |                 |  |
| Name                                                                                                                                                          |                      |          |                                   |                 |  |
| Address                                                                                                                                                       |                      |          |                                   |                 |  |
| City                                                                                                                                                          | State                | Zip Code |                                   |                 |  |
| Country                                                                                                                                                       | Telephone            | Email    |                                   |                 |  |
| Signature                                                                                                                                                     | /D. Benjamin Esplin/ |          | Date                              | August 21, 2013 |  |
| Name (Print/Type)                                                                                                                                             | D. Benjamin Esplin   |          | Registration No. (Attorney/Agent) | 58,297          |  |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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| <b>Application Data Sheet 37 CFR 1.76</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      | Attorney Docket Number | 058377-0423891 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      | Application Number     |                |
| Title of Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SMS COMMUNICATION DURING EMERGENCIES |                        |                |
| <p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p> |                                      |                        |                |

**Secrecy Order 37 CFR 5.2**

|                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Inventor Information:**

|                                                                                                                                                                                 |                         |                       |                               |                               |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------|-------------------------------|-------------------------------|---------------|
| <b>Inventor 1</b>                                                                                                                                                               |                         |                       |                               |                               | <b>Remove</b> |
| <b>Legal Name</b>                                                                                                                                                               |                         |                       |                               |                               |               |
| <b>Prefix</b>                                                                                                                                                                   | <b>Given Name</b>       | <b>Middle Name</b>    | <b>Family Name</b>            | <b>Suffix</b>                 |               |
|                                                                                                                                                                                 | David                   | J.                    | Leggett                       |                               |               |
| <b>Residence Information (Select One)</b> <input type="radio"/> US Residency <input checked="" type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |                         |                       |                               |                               |               |
| <b>City</b>                                                                                                                                                                     | Hope Island, Queensland |                       | <b>Country of Residence i</b> | AU                            |               |
| <b>Mailing Address of Inventor:</b>                                                                                                                                             |                         |                       |                               |                               |               |
| <b>Address 1</b>                                                                                                                                                                |                         | 2226 Glen Gallon Way  |                               |                               |               |
| <b>Address 2</b>                                                                                                                                                                |                         |                       |                               |                               |               |
| <b>City</b>                                                                                                                                                                     | Hope Island, Queensland |                       | <b>State/Province</b>         |                               |               |
| <b>Postal Code</b>                                                                                                                                                              |                         | 4169                  | <b>Country i</b>              | AU                            |               |
| <b>Inventor 2</b>                                                                                                                                                               |                         |                       |                               |                               | <b>Remove</b> |
| <b>Legal Name</b>                                                                                                                                                               |                         |                       |                               |                               |               |
| <b>Prefix</b>                                                                                                                                                                   | <b>Given Name</b>       | <b>Middle Name</b>    | <b>Family Name</b>            | <b>Suffix</b>                 |               |
|                                                                                                                                                                                 | Christopher             | David                 | Maloney                       |                               |               |
| <b>Residence Information (Select One)</b> <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |                         |                       |                               |                               |               |
| <b>City</b>                                                                                                                                                                     | Rancho Santa Fe         | <b>State/Province</b> | CA                            | <b>Country of Residence i</b> | US            |
| <b>Mailing Address of Inventor:</b>                                                                                                                                             |                         |                       |                               |                               |               |
| <b>Address 1</b>                                                                                                                                                                |                         | 17354 Via de Fortuna  |                               |                               |               |
| <b>Address 2</b>                                                                                                                                                                |                         |                       |                               |                               |               |
| <b>City</b>                                                                                                                                                                     | Rancho Santa Fe         |                       | <b>State/Province</b>         | CA                            |               |
| <b>Postal Code</b>                                                                                                                                                              |                         | 92067                 | <b>Country i</b>              | US                            |               |
| <b>Inventor 3</b>                                                                                                                                                               |                         |                       |                               |                               | <b>Remove</b> |
| <b>Legal Name</b>                                                                                                                                                               |                         |                       |                               |                               |               |
| <b>Prefix</b>                                                                                                                                                                   | <b>Given Name</b>       | <b>Middle Name</b>    | <b>Family Name</b>            | <b>Suffix</b>                 |               |
|                                                                                                                                                                                 | Scott                   | Michael               | MacDonald                     |                               |               |

|                                           |  |                                      |  |                |  |
|-------------------------------------------|--|--------------------------------------|--|----------------|--|
| <b>Application Data Sheet 37 CFR 1.76</b> |  | Attorney Docket Number               |  | 058377-0423891 |  |
|                                           |  | Application Number                   |  |                |  |
| Title of Invention                        |  | SMS COMMUNICATION DURING EMERGENCIES |  |                |  |

|                                                                                                                                                                                 |         |                |    |                                   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------|----|-----------------------------------|----|
| <b>Residence Information (Select One)</b> <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |         |                |    |                                   |    |
| City                                                                                                                                                                            | Norfolk | State/Province | MA | Country of Residence <sup>i</sup> | US |
|                                                                                                                                                                                 |         |                |    |                                   |    |

**Mailing Address of Inventor:**

|                   |            |                      |             |        |        |
|-------------------|------------|----------------------|-------------|--------|--------|
| Address 1         |            | 90 Cleveland Street  |             |        |        |
| Address 2         |            |                      |             |        |        |
| City              | Norfolk    | State/Province       | MA          |        |        |
| Postal Code       | 02056      | Country <sup>i</sup> | US          |        |        |
| Inventor <b>4</b> |            |                      |             |        | Remove |
| Legal Name        |            |                      |             |        |        |
| Prefix            | Given Name | Middle Name          | Family Name | Suffix |        |
|                   | Mark       | David                | Hamilton    |        |        |

|                                                                                                                                                                                 |           |                |    |                                   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|----|-----------------------------------|----|
| <b>Residence Information (Select One)</b> <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |           |                |    |                                   |    |
| City                                                                                                                                                                            | San Diego | State/Province | CA | Country of Residence <sup>i</sup> | US |
|                                                                                                                                                                                 |           |                |    |                                   |    |

**Mailing Address of Inventor:**

|                   |            |                      |             |        |        |
|-------------------|------------|----------------------|-------------|--------|--------|
| Address 1         |            | 8921 Oviedo Street   |             |        |        |
| Address 2         |            |                      |             |        |        |
| City              | San Diego  | State/Province       | CA          |        |        |
| Postal Code       | 92129      | Country <sup>i</sup> | US          |        |        |
| Inventor <b>5</b> |            |                      |             |        | Remove |
| Legal Name        |            |                      |             |        |        |
| Prefix            | Given Name | Middle Name          | Family Name | Suffix |        |
|                   | Erik       | Christian            | Loberg      |        |        |

|                                                                                                                                                                                 |          |                |    |                                   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|----|-----------------------------------|----|
| <b>Residence Information (Select One)</b> <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |          |                |    |                                   |    |
| City                                                                                                                                                                            | Carlsbad | State/Province | CA | Country of Residence <sup>i</sup> | US |
|                                                                                                                                                                                 |          |                |    |                                   |    |

**Mailing Address of Inventor:**

|                   |            |                      |             |        |        |
|-------------------|------------|----------------------|-------------|--------|--------|
| Address 1         |            | 3500 Avondale Circle |             |        |        |
| Address 2         |            |                      |             |        |        |
| City              | Carlsbad   | State/Province       | CA          |        |        |
| Postal Code       | 92008      | Country <sup>i</sup> | US          |        |        |
| Inventor <b>6</b> |            |                      |             |        | Remove |
| Legal Name        |            |                      |             |        |        |
| Prefix            | Given Name | Middle Name          | Family Name | Suffix |        |
|                   | Chen-Lu    |                      | Meng        |        |        |

|                                                                                                                                                                                 |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| <b>Residence Information (Select One)</b> <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|

|                                           |                                      |                        |                |  |
|-------------------------------------------|--------------------------------------|------------------------|----------------|--|
| <b>Application Data Sheet 37 CFR 1.76</b> |                                      | Attorney Docket Number | 058377-0423891 |  |
|                                           |                                      | Application Number     |                |  |
| Title of Invention                        | SMS COMMUNICATION DURING EMERGENCIES |                        |                |  |

|      |           |                |    |                        |    |
|------|-----------|----------------|----|------------------------|----|
| City | San Diego | State/Province | CA | Country of Residence i | US |
|------|-----------|----------------|----|------------------------|----|

**Mailing Address of Inventor:**

|             |                      |                |    |  |
|-------------|----------------------|----------------|----|--|
| Address 1   | 11080 Doverhill Road |                |    |  |
| Address 2   |                      |                |    |  |
| City        | San Diego            | State/Province | CA |  |
| Postal Code | 92131                | Country i      | US |  |

Inventor 7

Remove

**Legal Name**

|        |            |             |             |        |
|--------|------------|-------------|-------------|--------|
| Prefix | Given Name | Middle Name | Family Name | Suffix |
|        | Ken        | D.          | Martin      |        |

Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service

|      |        |                |    |                        |    |
|------|--------|----------------|----|------------------------|----|
| City | Golden | State/Province | CO | Country of Residence i | US |
|------|--------|----------------|----|------------------------|----|

**Mailing Address of Inventor:**

|             |                     |                |    |  |
|-------------|---------------------|----------------|----|--|
| Address 1   | 18935 W 55th Circle |                |    |  |
| Address 2   |                     |                |    |  |
| City        | Golden              | State/Province | CO |  |
| Postal Code | 80403               | Country i      | US |  |

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.

Add

**Correspondence Information:**Enter either Customer Number or complete the Correspondence Information section below.  
For further information see 37 CFR 1.33(a).☐ An Address is being provided for the correspondence Information of this application.

|                 |                            |           |              |
|-----------------|----------------------------|-----------|--------------|
| Customer Number | 00909                      |           |              |
| Email Address   | Docket_IP@pillsburylaw.com | Add Email | Remove Email |

**Application Information:**

|                                         |                                      |                                           |                          |
|-----------------------------------------|--------------------------------------|-------------------------------------------|--------------------------|
| Title of the Invention                  | SMS COMMUNICATION DURING EMERGENCIES |                                           |                          |
| Attorney Docket Number                  | 058377-0423891                       | Small Entity Status Claimed               | <input type="checkbox"/> |
| Application Type                        | Nonprovisional                       |                                           |                          |
| Subject Matter                          | Utility                              |                                           |                          |
| Total Number of Drawing Sheets (if any) | 7                                    | Suggested Figure for Publication (if any) |                          |

|                                           |                                      |                        |                |
|-------------------------------------------|--------------------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                                      | Attorney Docket Number | 058377-0423891 |
|                                           |                                      | Application Number     |                |
| Title of Invention                        | SMS COMMUNICATION DURING EMERGENCIES |                        |                |

**Publication Information:**

|                                     |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/>            | Request Early Publication (Fee required at time of Request 37 CFR 1.219)                                                                                                                                                                                                                                                                                                                      |
| <input checked="" type="checkbox"/> | <b>Request Not to Publish.</b> I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application <b>has not and will not be</b> the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing. |

**Representative Information:**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                  |                                              |                                                         |                    |                                                  |                                              |                                                         |                 |       |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------|---------------------------------------------------------|--------------------|--------------------------------------------------|----------------------------------------------|---------------------------------------------------------|-----------------|-------|--|--|
| Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing. |                                                  |                                              |                                                         |                    |                                                  |                                              |                                                         |                 |       |  |  |
| <table border="1"> <tr> <td>Please Select One:</td> <td><input checked="" type="radio"/> Customer Number</td> <td><input type="radio"/> US Patent Practitioner</td> <td><input type="radio"/> Limited Recognition (37 CFR 11.9)</td> </tr> <tr> <td>Customer Number</td> <td colspan="3">00909</td> </tr> </table>                                                                                                                                              |                                                  |                                              |                                                         | Please Select One: | <input checked="" type="radio"/> Customer Number | <input type="radio"/> US Patent Practitioner | <input type="radio"/> Limited Recognition (37 CFR 11.9) | Customer Number | 00909 |  |  |
| Please Select One:                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input checked="" type="radio"/> Customer Number | <input type="radio"/> US Patent Practitioner | <input type="radio"/> Limited Recognition (37 CFR 11.9) |                    |                                                  |                                              |                                                         |                 |       |  |  |
| Customer Number                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 00909                                            |                                              |                                                         |                    |                                                  |                                              |                                                         |                 |       |  |  |

**Domestic Benefit/National Stage Information:**

|                                                                                                                                                                                                                                                                                                                      |                 |                          |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|--------------------------|
| This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78. |                 |                          |                          |
| Prior Application Status                                                                                                                                                                                                                                                                                             |                 | <a href="#">Remove</a>   |                          |
| Application Number                                                                                                                                                                                                                                                                                                   | Continuity Type | Prior Application Number | Filing Date (YYYY-MM-DD) |
|                                                                                                                                                                                                                                                                                                                      |                 |                          |                          |
| Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the <b>Add</b> button.                                                                                                                                                                                                |                 |                          | <a href="#">Add</a>      |

**Foreign Priority Information:**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                          |                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------|------------------------------------------|
| This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) <sup>i</sup> the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1). |                      |                          |                                          |
| <a href="#">Remove</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                          |                                          |
| Application Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Country <sup>i</sup> | Filing Date (YYYY-MM-DD) | Access Code <sup>j</sup> (if applicable) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                          |                                          |
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|                                           |                                      |                        |                |
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| <b>Application Data Sheet 37 CFR 1.76</b> |                                      | Attorney Docket Number | 058377-0423891 |
|                                           |                                      | Application Number     |                |
| Title of Invention                        | SMS COMMUNICATION DURING EMERGENCIES |                        |                |

## Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

|                          |                                                                                                                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Authorization to Permit Access:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                        |
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| <p>If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.</p> <p>In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.</p> <p>In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.</p> |                                                                                        |

## Applicant Information:

|                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office. |
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| Title of Invention                        | SMS COMMUNICATION DURING EMERGENCIES |                        |                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                |                                                                        |                                       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------|-------|
| <b>Applicant 1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                |                                                                        | <input type="button" value="Remove"/> |       |
| <p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p> |  |                                                                |                                                                        |                                       |       |
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| <input checked="" type="radio"/> Assignee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | <input type="radio"/> Legal Representative under 35 U.S.C. 117 |                                                                        | <input type="radio"/> Joint Inventor  |       |
| <input type="radio"/> Person to whom the inventor is obligated to assign.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                | <input type="radio"/> Person who shows sufficient proprietary interest |                                       |       |
| If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                |                                                                        |                                       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                |                                                                        |                                       |       |
| Name of the Deceased or Legally Incapacitated Inventor : <input type="text"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                |                                                                        |                                       |       |
| If the Applicant is an Organization check here. <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                |                                                                        |                                       |       |
| Organization Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | TRITECH SOFTWARE SYSTEMS                                       |                                                                        |                                       |       |
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| Address 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 9477 Waples Street, Suite 100                                  |                                                                        |                                       |       |
| Address 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                |                                                                        |                                       |       |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | San Diego                                                      | State/Province                                                         |                                       | CA    |
| Country <sup>i</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | US                                                             | Postal Code                                                            |                                       | 92121 |
| Phone Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                | Fax Number                                                             |                                       |       |
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| Additional Applicant Data may be generated within this form by selecting the Add button. <input type="button" value="Add"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                |                                                                        |                                       |       |

**Non-Applicant Assignee Information:**

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Assignee 1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <p>Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).</p> |  |
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| Title of Invention                        | SMS COMMUNICATION DURING EMERGENCIES |                        |                |

|        |            |             |             |        |
|--------|------------|-------------|-------------|--------|
| Prefix | Given Name | Middle Name | Family Name | Suffix |
|        |            |             |             |        |

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| City          |  | State/Province |  |
| Country i     |  | Postal Code    |  |
| Phone Number  |  | Fax Number     |  |
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|            |                      |           |                   |                     |
|------------|----------------------|-----------|-------------------|---------------------|
| Signature  | /D. Benjamin Esplin/ |           | Date (YYYY-MM-DD) | 2013-08-21          |
| First Name | D. Benjamin          | Last Name | Esplin            | Registration Number |
|            |                      |           |                   | 58297               |

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This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

## **SMS COMMUNICATION DURING EMERGENCIES**

### ***FIELD OF THE DISCLOSURE***

(01) This disclosure relates to providing, to emergency operators, communication through textual messages with callers using wireless mobile devices.

### ***BACKGROUND***

(02) Conventionally, emergency phone calls are answered by an emergency call center, such as, *e.g.*, a public safety answering point (PSAP). Operators at emergency call centers, also referred to as dispatchers or emergency dispatchers, may gather and/or attempt to gather information during emergency calls, including, but not limited to, the name of the caller, the nature of the emergency, the location of the emergency and/or the caller, and/or other emergency information. Operators may determine the appropriate type of first response, including but not limited to police, fire, medical, and/or other types of first response. Operators may contact a dispatcher for the determined type, *e.g.* a police dispatcher, fire dispatcher, medical dispatcher, and/or other type of dispatcher. In turn, the police dispatcher may contact appropriate emergency responders, such as one or more police officers that are on duty and, *e.g.*, near the location of the emergency.

### ***SUMMARY***

(03) One aspect of the disclosure relates to a system configured to provide, to emergency operators, communication through textual messages. The system may be

controlled and/or guided programmatically by the functionality of its components, as described herein. The system may be configured to respond to incoming emergency voice calls being placed to an emergency call center.

(04) The system may be hosted by and/or implemented on a server. Callers, operators, dispatchers, and/or emergency responders may interact and/or communicate with and/or through the system. Interaction and/or communication may be implemented by telephones, mobile devices, wireless devices, electronic devices, communication devices, client computing platforms, servers, and/or devices or systems that are combinations thereof. Interaction and/or communication with the system may be implemented over one or more networks, including, but not limited to, emergency communications networks, wired telephone networks, wireless telephone networks, cellular networks, the internet, and/or one or more other (communications) networks.

(05) The system may include one or more of one or more servers, one or more emergency call centers, and/or other components. The server(s) may be configured to communicate according to a client/server architecture, a peer-to-peer architecture, a distributed architecture, and/or another suitable architecture or combination or architectures.

(06) Callers, operators, dispatchers, and emergency responders may be referred to as users of the system. Users may access the system via landlines, wired telephones, wireless telephones, smartphones, mobile devices, wireless devices, electronic devices, communication devices, client computing platform(s), and/or other devices or combinations thereof, jointly referred to herein as client devices. Callers may generate emergency calls via emergency calling devices, including, but not limited to, any of the

types of devices and/or systems included in this disclosure. In some implementations, emergency calling devices may include devices capable of one or more of placing voice calls, receiving textual messages, sending textual messages, accessing Internet addresses (*e.g.* uniform resource locator addresses or URL addresses), obtaining geolocation information, and/or other functionality as described in this disclosure.

(07) As used herein, the term “textual message” and derivatives thereof may refer to one or both of a short message service (SMS) message and/or a multimedia messaging service (MMS) message. As used herein, the term “wireless mobile device” and derivatives may refer to devices capable of communication using a cellular network and/or wireless telephone network. Alternatively, and/or simultaneously, in some implementations, the term “wireless mobile device” and derivatives may refer to devices capable of being capable of communication in multiple different locations, away and apart from a single residence or a single stationary location. Examples of wireless mobiles devices include, but are not limited to, cellphones, smartphones, portable and/or handheld computing and/or communication devices, and/or other devices.

(08) The server(s) may include electronic storage, one or more processors, and/or other components. The server(s) may be configured to execute one or more computer program modules. The computer program modules may include one or more of a call reception module, an outgoing message module, a transmission module, a presentation module, a web-hosting module, and/or other modules.

(09) The call reception module may be configured to receive and/or monitor incoming emergency calls being placed to an emergency call center. Incoming emergency calls may include incoming emergency voice calls and/or other incoming emergency calls.

Incoming emergency calls may be placed to an emergency call center through one or more emergency communication networks and/or other networks. Emergency calls may be produced, generated and/or originated by, from, and/or through callers using emergency calling devices. The call reception module may be implemented, embedded, combined, and/or integrated with one or more emergency call centers to accomplish the functions attributed in this disclosure to the call reception module. The incoming emergency calls may include a first call, a second call, a third call, and so forth. In some implementations, the call reception module may be configured to determine that an emergency call has been terminated prematurely, abruptly, before having been answered, or before an emergency operator has had adequate time to handle the emergency call. Any of these emergency calls may be referred to as an abandoned emergency call.

(10) Emergency calls may be associated with different types of emergency information, including, but not limited to, caller information, subscriber information, household information, location information, one or more types of emergency, historical emergency information, and/or other information. Such information may have been gathered, determined, and/or processed in advance of an emergency call, for example through one or more databases that link telephone numbers to residence addresses. In some implementations, such information may be gathered, determined, and/or processed after an emergency call has been placed to an emergency call center. Subscriber information may include identification of the caller, such as, by way of non-limiting example, a telephone number, an IP address, information from one or more

radio towers used in establishing the call, a billing address, a residence address, and/or other information.

(11) Location information may include or be based on, by way of non-limiting example, geolocation information, current or last known geographical locations, current or last known (physical) addresses, one or more city blocks, a particular area of a city, town, county, and/or other geographical or governmental entity, global positioning system (GPS) information, Wi-Fi location information, available wifi networks, position systems based on wireless local area network (WLAN) technology, indoor positioning information, cell tower triangulation information, pseudo-location information, pseudo-GPS information, location within a building, store, campus, mall, and/or enclosed area, information from real-time location systems, position systems based on radio frequency identification (RFID) technology, position systems based on ultra wide band (UWB) technology, position systems based on angle of arrival (AoA) and/or time delay of arrival (TDoA), three-dimensional location information, position systems based on received signal strength indication (RSSI), and/or other location information or position systems, as well as combinations thereof. As used herein, the term "location information" may be used interchangeably with the term "geolocation information", and may refer to indoor locations and/or outdoor locations. In some implementations, geolocation information may be based on phase 1 type cellular information, phase 2 type cellular information, and/or other cellular information. Historical emergency information may include one or more of previous emergency calls from the same emergency calling device, the same caller, the same or similar location or geolocation, related emergency calling devices and/or client devices, related callers, and/or other information. For example, a single

caller may have multiple telephones with different phone numbers. For example, a group of callers may live at the same address. These examples are not intended to be limiting in any way. Other types of relations between emergency calling devices, callers, locations, *etc.* are contemplated within the scope of this disclosure.

(12) The outgoing message module may be configured to generate outgoing messages for transmission to telephones and/or other devices. The outgoing messages may include outgoing textual messages. In some implementations, outgoing messages may be generated for transmission to emergency calling devices, including but not limited to emergency calling devices from which an incoming emergency call has been received.

(13) The transmission module may be configured to transmit and/or receive messages, including but not limited to textual messages, incoming messages, outgoing messages, and/or combinations thereof. In some implementations, the transmission module may be configured to transmit outgoing textual messages through one or more communications networks and/or other networks. In some implementations, the communications network used for transmission may be a different network than the communications network used, by the call reception module, to receive incoming emergency calls.

(14) The presentation module may be configured to present incoming emergency voices calls to emergency operators through one or more user interfaces. The presentation module may be configured to present, display, render, generate, and/or implement (hereinafter referred to as “present,” a “presentation of”, and/or derivatives thereof) user interfaces for users to interact with the system. The user interfaces may

include a set of user-selectable options. User-selectable options included in a user interface may correspond to different types of emergency, different types of information requested by an emergency operator, different types of information requested by a caller and/or other user (or expected to be helpful to the caller or other user), and/or other characteristics that are specific to an emergency call or caller. As used herein, the term “informational request” may be used to refer to different types of information requested by an emergency operator and/or different types of information requested from a caller and/or other user. One or more informational requests may be associated with an incoming emergency call. The presentation module may be configured to receive user input from emergency operators, for example to select one or more user-selectable options included in a user interface.

(15) The web-hosting module may be configured to host a web-site, web page, web-application, mobile application, and/or other software application (jointly referred to as “web resources”) that is accessible through the Internet. The web resources may be configured to query devices (including but not limited to wireless mobile devices) for geolocation information. For example, a particular wireless mobile device may receive, from the transmission module, a textual message that includes a uniform resource locator (URL) link to the web resources. The particular wireless mobile device may access, engage, interact with and/or activate the link, *e.g.* through execution of a browser software application on the particular wireless mobile device. Geolocation information may be transferred from the particular wireless mobile device to the web resources, implicitly and/or explicitly. The web resources may be configured to transmit and/or share received geolocation information with other constituent components of the

system, *e.g.* in a manner such that the received geolocation information is available and/or accessible to emergency operators.

(16) These and other features, and characteristics of the present technology, as well as the methods of operation and functions of the related elements of structure and the combination of parts and economies of manufacture, will become more apparent upon consideration of the following description and the appended claims with reference to the accompanying drawings, all of which form a part of this specification, wherein like reference numerals designate corresponding parts in the various figures. It is to be expressly understood, however, that the drawings are for the purpose of illustration and description only and are not intended as a definition of the limits of the invention. As used in the specification and in the claims, the singular form of “a”, “an”, and “the” include plural referents unless the context clearly dictates otherwise.

#### ***BRIEF DESCRIPTION OF THE DRAWINGS***

(17) FIG. 1 illustrates a system configured to provide, to emergency operators, communication through textual messages, in accordance with one or more implementations.

(18) FIGs. 2-4 illustrate methods for communication through textual messages, in accordance with one or more implementations.

(19) FIG. 5 illustrates a method for providing location information to emergency operators, in accordance with one or more implementations.

(20) FIG. 6 illustrates a view of an exemplary interface for emergency operators, in accordance with one or more implementations.

(21) FIG. 7 illustrates a view of an exemplary interface for providing location information, in accordance with one or more implementations.

**DETAILED DESCRIPTION**

(22) FIG. 1 illustrates a system 100 configured to provide, to emergency operators, communication (and/or the ability to communicate) through textual messages, in accordance with one or more implementations. System 100 may include one or more servers 12, one or more emergency call centers 15, one or more client devices 14, one or more emergency calling devices 17, and/or other components.

(23) Server(s) 12 may be configured to communicate with one or more client devices 14 and/or one or more emergency calling devices 17 according to, *e.g.*, a client/server architecture. Components of system 100 may communicate over one or more networks 13. Communication may use techniques including, but not limited to, wired, wireless, and/or combinations thereof. In some implementations, system 100 may include communication using a peer-to-peer architecture. Users may access system 100 via client device(s) 14, emergency calling device(s) 17, and/or other devices.

(24) Server(s) 12 may include electronic storage 50, one or more processors 110, and/or other components. Server(s) 12 may include communication lines, or ports to enable the exchange of information with one or more networks 13 and/or other computing platforms. Illustration of server(s) 12 in FIG. 1 is not intended to be limiting. Server(s) 12 may include a plurality of hardware, software, and/or firmware components operating together to provide the functionality attributed herein to server(s) 12. For example, server(s) 12 may, at least in part, be implemented by a cloud of computing platforms operating together as server(s) 12.

(25) In some implementations, server(s) 12, client device(s) 14, emergency calling device(s) 17, and/or external resources 16 may be operatively linked via one or more electronic communication links. For example, such electronic communication links may be established, at least in part, via one or more networks 13, including, *e.g.*, the Internet and/or other networks. It will be appreciated that this is not intended to be limiting, and that the scope of this disclosure includes implementations in which server(s) 12, client device(s) 14, emergency calling device(s) 17, and/or external resources 16 may be operatively linked via some other communication media.

(26) External resources 16 may include sources of information, hosts and/or providers of communication systems outside of system 100, external entities participating with system 100, and/or other resources. In some implementations, some or all of the functionality attributed herein to external resources 16 may be provided by resources included in system 100.

(27) Server(s) 12 may be configured to execute one or more computer program modules. The computer program modules may include one or more of a call reception module 32, an outgoing message module 34, a transmission module 36, a presentation module 38, a web-hosting module 40, and/or other modules.

(28) Call reception module 32 may be configured to receive and/or monitor incoming emergency calls being placed to an emergency call center 15. Incoming emergency calls may include incoming emergency voice calls and/or other incoming emergency calls. Incoming emergency calls may be placed to emergency call center 15 through one or more emergency communication networks and/or other networks (collectively referred to as network 13). Emergency calls may be produced, generated and/or

originated by, from, and/or through callers using emergency calling devices 17. The call reception module may be implemented, embedded, combined, and/or integrated with one or more emergency call centers 15 to accomplish the functions attributed in this disclosure to call reception module 32. The incoming emergency calls may include a first call, a second call, a third call, and so forth. In some implementations, call reception module 32 may be configured to determine that an emergency call has been terminated prematurely, abruptly, before having been answered, or before an emergency operator has had adequate time to handle the emergency call. Any of these emergency calls may be referred to as an abandoned emergency call.

(29) Outgoing message module 34 may be configured to generate outgoing messages for transmission to telephones and/or other devices. The outgoing messages may include outgoing textual messages. In some implementations, outgoing messages may be generated for transmission to emergency calling devices 17, including but not limited to emergency calling devices from which an incoming emergency call has been received. In some implementations, outgoing textual messages may include helpful information for the caller, including but not limited to emergency instructions that are specific to the caller's emergency. In some implementations, outgoing textual messages may include a link to helpful information, including but not limited to a uniform resource locator (URL) link. In some implementations, outgoing textual messages may include a request to the caller to provide information, *e.g.* information that the emergency operator expects to be helpful in the instant emergency. For example, helpful information may include, by way of non-limiting example, the current geolocation of the caller and/or the emergency.

(30) In some implementations, a caller may provide requested information by replying to the outgoing textual message transmitted by system 100. Other ways to provide requested information are described in this disclosure. In some implementations, outgoing message module 34 may be configured to generate outgoing messages for transmission in response to an abandoned emergency call. In some implementations, outgoing messages for all or some types of abandoned emergency messages may be generated and/or transmitted automatically, autonomously, and/or otherwise without manual and/or human interaction. In some implementations, outgoing messages for all or some types of abandoned emergency messages may be generated and/or transmitted as instructed by an emergency operator. An outgoing message in response to an abandoned emergency call may include, by way of non-limiting example, a link, button, and/or otherwise selectable option to re-establish communication with an emergency call center 15. For example, communication with an emergency call center 15 may be established by dialing (or re-dialing) an appropriate emergency telephone number. Alternatively, and/or simultaneously, an outgoing message in response to an abandoned emergency call may include, by way of non-limiting example, a link, button, and/or otherwise selectable option to confirm that the abandoned emergency call may be ignored. For example, an abandoned emergency call may be ignored if the call was inadvertent and/or unintentionally placed.

(31) Transmission module 36 may be configured to transmit and/or receive messages, including but not limited to textual messages, incoming messages, outgoing messages, and/or combinations thereof. In some implementations, transmission module 36 may be configured to transmit outgoing textual messages through one or

more networks 13. In some implementations, the communications network used for transmission may be a different network than the communications network used, by call reception module 32, to receive incoming emergency calls.

(32) Presentation module 38 may be configured to present incoming emergency voices calls to emergency operators through one or more user interfaces. Presentation module 38 may be configured to present, display, render, generate, and/or implement (hereinafter referred to as “present,” a “presentation of”, and/or derivatives thereof) user interfaces for users to interact with system 100. For example, user interfaces may be provided to users via client devices 14. The user interfaces may include a set of user-selectable options. User-selectable options included in a user interface may correspond to different types of emergency, different types of information requested by an emergency operator, different types of information requested by a caller and/or other user (or expected to be helpful to the caller or other user), and/or other characteristics that are specific to an emergency call or caller. One or more informational requests may be associated with an incoming emergency call. One or more informational requests may be associated with an abandoned emergency call. One or more informational requests may be included in an outgoing textual message, *e.g.* to provide information to a caller and/or to request a caller to provide information.

(33) Presentation module 38 may be configured to receive user input from emergency operators, for example to select one or more user-selectable options included in a user interface. Presentation module 38 may be configured to receive one or more inputs (*e.g.* control inputs and/or command inputs) from an individual user that affect presentation of an individual user interface. The received inputs may include one or

more selections from the offered set of user-selectable options. Alternatively, and/or simultaneously, a user interface may provide other ways for users to affect the presentation, including, but not limited to, textual input, touch screen gestures, pointer device input, and/or other ways for users to interact with a user interface.

(34) In some implementations, an informational request may include information requested by a caller. For example, a caller may ask for step-by-step instructions on how to perform a Heimlich maneuver. In some implementations, an informational request may include information expected, *e.g.* by an emergency operator, to be helpful to a caller, *e.g.* in light of a specific emergency. For example, an information request may include instructions on how to perform cardiopulmonary resuscitation (CPR). In some implementations, an information request may include a link to information and/or instructions requested by (and/or expected to be helpful to) the caller. For example, CPR instructions may be included in a video link, such as a URL to an instruction video.

(35) In some implementations, presentation module 38 may be configured to determine, obtain, and/or present personal information associated with an emergency call. Personal information may include one or more names, ages, gender, and/or other personal information associated with a caller, a registered user for a particular telephone number, a registered resident at a particular (billing) address, and/or other people. In some implementations, personal information may include historical emergency information, such as the names of one or more people that were in some way associated with a previous emergency call, which in turn is in some way related to a current emergency call. For example, if a particular caller has called on one or more previous occasions regarding a particular disturbance (by way of non-limiting example,

a previous occasion may be related to domestic abuse) that involved one or more particular people, information to that effect may be relevant to emergency responders.

(36) By way of illustration, FIG. 6 illustrates a view 600 of a user interface 601 as presented to a particular user, *e.g.* an emergency operator. User interface 601 may be presented through a client device. User interface 601 may be presented in response to an emergency call being placed to and/or being handled by an emergency call center. In some implementations, a user interface similar to or the same as user interface 601 may be presented in response to abandonment of an emergency call (and/or an abandoned emergency call). This emergency call may be referred to as the current emergency call placed by the current caller using the current wireless mobile device, in reference to FIG. 6. Elements of user interface 601 may be implemented as fields configured to receive entry, selection, and/or confirmation from a user. The fields may include one or more of a text entry field, a set of selectable menu items, a selectable field, and/or other fields configured to receive entry, selection, and/or confirmation from a user. The number of elements, components, and/or (user-selectable) fields depicted in FIG. 6 is meant to be exemplary, and not limiting in any way. User interface 601 may be configured to present information to and/or enable interaction with the user viewing view 600.

(37) User interface 601 of FIG. 6 may include interface elements 602 and 603, informational element 605, action button 604, an icon 612, secondary information element 610, and/or other components or features. Interface elements 602 and 603 may, *e.g.*, be an object, interface, and/or other items that a user may interact with, such as a menu of user-selectable options and/or actions for engaging the system. For

example, interface element 602 may display a set of different types of emergency that are available for selection by the emergency operator. For example, interface element 603 may display a set of informational requests that are available for selection by the emergency operator. In some implementations, the specific set of informational requests may depend, at least in part, on the selection made for interface element 602. For example, a user-selectable option for interface element 602 may include a car accident. A related user-selectable option for interface element 603 may indicate whether any passengers appear to be stuck or hurt, instructions for providing first-aid to a passenger thrown clear from a car, a request for the current caller to provide geolocation information, *etc.* Certain combinations of selections for interface elements 602 and 603 may cause the system to generate an outgoing textual message for transmission to the current caller and/or the current wireless mobile device. The generated outgoing textual message may include the specific informational request selected through interface element 603. Action button 604, upon activation by the emergency operator, may effect transmission of the generated outgoing textual message, *e.g.* as described elsewhere in this disclosure.

(38) Secondary information element 610 may display information from one or more external sources, including but not limited to historical emergency information (*e.g.*, as described elsewhere in this disclosure), personal information (*e.g.*, as described elsewhere in this disclosure, in relation to a presentation module), information from one or more emergency responders to the current emergency (and/or related emergencies), information provided by the current caller (through textual message and/or through web

resources hosted by a web-hosting module, *e.g.*, as described elsewhere in this disclosure), and/or other pertinent information.

(39) An area of user interface 601, *e.g.* the center as indicated by informational element 605 in FIG. 6, may present information about the current emergency call, if and when it is available and/or known to the emergency operator. Informational element 605 may include status information and/or a map of a particular geographical area, in particular an area relevant to the current emergency call. For example, the map may include streets and geolocation information. Icon 612 may indicate and/or represent a geolocation of the current emergency call and/or the current caller who generated the current emergency call. Icon 612 may have a particular color, shape, and/or graphically distinguishable characteristic such that a user may rapidly obtain relevant information about the current emergency call. In case of a transmitted outgoing textual message that includes a request, from the emergency operator to the current caller, to provide geolocation information, a reply, confirmation, and/or otherwise-provided information originating from the current caller and/or the current wireless mobile device may cause one or more changes in view 600. For example, the map within informational element 605 may be updated to reflect the provided geolocation information, icon 612 may be relocated as appropriate, the information displayed in secondary information element 610 may be updated, and/or other changes as appropriate may be apparent to the emergency operator.

(40) A perimeter 611 may indicate the geographical area within a predetermined distance (in estimated time to reach the current emergency or space) of the geolocation indicated by icon 612.

(41) Referring to FIG. 1, web-hosting module 40 may be configured to host a web-site, web page, web-application, mobile application, and/or other resources (jointly referred to as “web resources”) that is accessible through the Internet and/or network 13. For example, the web resources may be accessible through a URL address. The web resources may be configured to query devices (including but not limited to wireless mobile devices and/or emergency calling devices 17) for geolocation information. For example, a particular wireless mobile device may receive, from transmission module 36, a textual message that includes a uniform resource locator (URL) link to the web resources. The particular wireless mobile device may access, engage, interact with and/or activate the link, *e.g.* through execution of a browser software application on the particular wireless mobile device. Geolocation information may be transferred from the particular wireless mobile device to the web resources, implicitly and/or explicitly.

(42) In some implementations, the web resources may be configured to query wireless mobile devices for geolocation information through an application programming interface (API) function that accesses geolocation information (*e.g.*, global positioning system (GPS) information, available wifi networks, radio tower triangulation information, and/or other location information, *e.g.* as described elsewhere in this disclosure). In some implementations, such functions may be natively supported within the wireless mobile device. For example, the web resources may prompt a user to press a button or other interface element to confirm and/or update the user’s current geolocation. In some implementations, the web resources may have access to geolocation information without the need or requirement to prompt the user. The web resources may be configured to transmit and/or share received geolocation information with other

constituent components of system 100, *e.g.* in a manner such that the received geolocation information is available and/or accessible to emergency operators and/or other users.

(43) In some implementations, web-hosting module 40 may be implemented by an external server, for example a third-party web-server. Web-hosting module 40 may interact with other components of system 100 through network 13, in particular the Internet.

(44) In some implementations, web-hosting module 40 and/or the web resources may be configured to interact with emergency calling devices 17 (*e.g.* wireless mobile devices) through one or more of the following steps. Web-hosting 40 and/or the web resources may receive a request, *e.g.* a Hypertext Transfer Protocol (HTTP) request, from a particular wireless mobile device (operated by a particular caller). Associated with the request and/or the particular wireless mobile device, web-hosting module 40 and/or the web resources may receive an identifier. The identifier may identify the request, the particular caller, and/or the particular wireless mobile device. In some implementations, the identifier includes one or more of a cookie, a user-identification (*e.g.*, userid, UDID, and/or other identifier of the user, device, and/or software and/or hardware configuration of the particular wireless mobile device), a media access control (MAC) address, a telephone number, and/or another identifier. Web-hosting 40 and/or the web resources may transmit a response to the particular wireless mobile device that includes a query for geolocation information. The query may be performed through an application programming interface (API) function that accesses geolocation information (*e.g.*, as described elsewhere in this disclosure). Responsive to such a query, web-

hosting module 40 and/or the web resources may receive, from the particular wireless mobile device, the queried geolocation information. Web-hosting module 40 and/or the web resources may provide one or both of the received geolocation information and/or the received identifier (associated with the request described in this paragraph) to system 100, its constituent components, and/or one or more emergency operators. For example, the received geolocation information may be provided to presentation module 38 for presentation to an emergency operator through a user interface.

(45) By way of illustration, FIG. 7 illustrates a view 700 of a user interface 701 as presented to a particular caller by a web-hosting module and/or a web resources. The particular caller may access, engage, interact with and/or activate a link to the web resources, *e.g.* through execution of a browser software application on the particular wireless mobile device. The link may have been included in a textual message transmitted on behalf of an emergency operator, in particular during and/or in response to an emergency call being placed to and/or being handled by the emergency operator at an emergency call center. User interface 701 may be presented through (a browser software application on) a client device, in particular an emergency calling device, *e.g.* a smartphone.

(46) Elements of user interface 701 may be implemented as fields configured to receive entry, selection, and/or confirmation from a user. The fields may include one or more of a text entry field, a set of selectable menu items, a selectable field, and/or other fields configured to receive entry, selection, and/or confirmation from a user. The number of elements, components, and/or (user-selectable) fields depicted in FIG. 7 is meant to be exemplary, and not limiting in any way. User interface 701 may be

configured to present information to and/or enable interaction with the user viewing view 700. User interface 701 of FIG. 7 may include interface elements 702 and 703, and/or other components or features. Element 703 may display information, including but not limited to instructions related to the use of the web resources. Element 702 may, *e.g.*, be an object, interface, and/or other item that a user may interact with, such as a menu of user-selectable options and/or actions for engaging the system. Information displayed in user interface 701 may prompt and/or request the user to engage and/or activate element 702, *e.g.* depicted as a button labeled “Ok”, to provide (current) geolocation information from the user’s wireless mobile device to the web resources and/or to a constituent component of the system such as a presentation module. Element 702, upon activation by the user, may effect sharing and/or transmission of the geolocation information, *e.g.* as described elsewhere in this disclosure.

(47) Referring to FIG. 1, users may participate in system 100 through client devices 14, emergency calling devices 17, and/or other devices. For example, interaction may be controlled through control inputs and/or commands input by the users through client devices 14 and/or emergency calling device(s) 17. By way of non-limiting example, input from users may be entered using interface devices including, but not limited to, a telephone, a keypad, buttons, switches, a keyboard, knobs, levers, a display screen, a touch screen, speakers, a microphone, an indicator light, an audible alarm, a printer, and/or any combinations thereof. By way of non-limiting example, client devices 14 and/or emergency calling devices 17 may include one or more of a desktop computer, a laptop computer, a handheld computer, a NetBook, a tablet, a smartphone, a gaming

console, and/or other computing platforms. Note that the depictions of devices and/or icons used in FIG. 1 are not intended to be limiting in any way.

(48) Referring to FIG. 1, server(s) 12, client device(s) 14, and/or emergency calling devices 17 may include electronic storage 50. Electronic storage 50 may comprise electronic storage media that electronically stores information. The functionality of electronic storage 50 may be similar between different instantiations, even if the stored information may be different. The electronic storage media of electronic storage 50 may include one or both of system storage that is provided integrally (*i.e.*, substantially non-removable) and/or removable storage that is removably connectable to server(s) 12 and/or client device(s) 14 via, for example, a port (*e.g.*, a USB port, a firewire port, *etc.*) or a drive (*e.g.*, a disk drive, *etc.*). Electronic storage 50 may include one or more of optically readable storage media (*e.g.*, optical disks, *etc.*), magnetically readable storage media (*e.g.*, magnetic tape, magnetic hard drive, floppy drive, *etc.*), electrical charge-based storage media (*e.g.*, EEPROM, RAM, *etc.*), solid-state storage media (*e.g.*, flash drive, *etc.*), and/or other electronically readable storage media. Electronic storage 50 may include one or more virtual storage resources (*e.g.*, cloud storage, a virtual private network, and/or other virtual storage resources). Electronic storage 50 may store software algorithms, information determined by processor(s) 110, information received from components of system 100, and/or other information that enables server(s) 12 and/or client device(s) 14 to function as described herein.

(49) Server(s) 12 and client device(s) 14 may include processor(s) 110. Processor(s) 110 may be configured to provide information processing capabilities in server(s) 12 and/or client device(s) 14. The functionality of processor(s) 110 may be similar between

different instantiations, even if the processing capabilities may be different.

Processor(s) 110 may include one or more of a digital processor, an analog processor, a digital circuit designed to process information, an analog circuit designed to process information, and/or other mechanisms for electronically processing information.

Although processor(s) 110 is shown in FIG. 1 as a single entity, this is for illustrative purposes only. In some implementations, processor(s) 110 may include a plurality of processing units. These processing units may be physically located within the same device, or processor(s) 110 may represent processing functionality of a plurality of devices operating in coordination. The processor(s) 110 may be configured to execute modules 32-40, and/or other modules. Processor 110 may be configured to execute modules 32-40, and/or other modules by software; hardware; firmware; some combination of software, hardware, and/or firmware; and/or other mechanisms for configuring processing capabilities on processor(s) 110.

(50) It should be appreciated that although modules 32-40 are illustrated in FIG. 1 as being co-located within a single processing unit, in implementations in which processor(s) 110 includes multiple processing units, one or more of modules 32-40 may be located remotely from the other modules. The description of the functionality provided by the different modules 32-40 described below is for illustrative purposes, and is not intended to be limiting, as any of modules 32-40 may provide more or less functionality than is described. For example, one or more of modules 32-40 may be eliminated, and some or all of its functionality may be provided by other ones of modules 32-40. As another example, processor 110 may be configured to execute one

or more additional modules that may perform some or all of the functionality attributed herein to one of modules 32-40.

(51) It is noted that the division of functionality between server(s) 12 and client device(s) 14 is not intended to be limited by this disclosure. Functions described in relation with server(s) 12 may be performed and/or shared by one or more other components of system 100, including client device(s) 14, and/or *vice versa*.

(52) FIGs. 2, 3, and 4 illustrate methods 200, 300, and 400, respectively, for providing, to emergency operators, communication through textual messages, in accordance with one or more implementations. FIG. 5 illustrates a method 500 for providing location information to emergency operators, in accordance with one or more implementations. The operations of methods 200, 300, 400, and 500 presented below are intended to be illustrative. In some implementations, methods 200, 300, 400, and 500 may be accomplished with one or more additional operations not described, and/or without one or more of the operations discussed. Additionally, the order in which the operations of methods 200, 300, 400, and 500 are illustrated in FIGs. 2, 3, 4, and 5 and described below is not intended to be limiting.

(53) In some implementations, methods 200, 300, 400, and 500 may be implemented in one or more processing devices (*e.g.*, a digital processor, an analog processor, a digital circuit designed to process information, an analog circuit designed to process information, and/or other mechanisms for electronically processing information). The one or more processing devices may include one or more devices executing some or all of the operations of methods 200, 300, 400, and 500 in response to instructions stored electronically on an electronic storage medium. The one or more processing devices

may include one or more devices configured through hardware, firmware, and/or software to be specifically designed for execution of one or more of the operations of methods 200, 300, 400, and 500.

(54) Referring to FIG. 2, at an operation 202, incoming emergency voice calls are received that have been placed to an emergency call center through an emergency communications network. The emergency voice calls have been placed from wireless mobile devices. The incoming emergency voice calls include a first voice call from a first wireless mobile device. In some embodiments, operation 202 is performed by a call reception module the same as or similar to call reception module 32 (shown in FIG. 1 and described herein).

(55) At an operation 204, outgoing textual messages are generated for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call. In some embodiments, operation 204 is performed by an outgoing message module the same as or similar to outgoing message module 34 (shown in FIG. 1 and described herein).

(56) At an operation 206, the outgoing textual messages are transmitted to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network. In some embodiments, operation 206 is performed by a transmission module the same as or similar to transmission module 36 (shown in FIG. 1 and described herein).

(57) Referring to FIG. 3, at an operation 302, incoming emergency voice calls are received that have been placed to an emergency call center through an emergency communications network. The emergency voice calls have been placed from wireless mobile devices. The incoming emergency voice calls include a first voice call from a first wireless mobile device. In some embodiments, operation 302 is performed by a call reception module the same as or similar to call reception module 32 (shown in FIG. 1 and described herein).

(58) At an operation 304, outgoing textual messages are generated for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call. The first outgoing textual message includes textual emergency instructions. In some embodiments, operation 304 is performed by an outgoing message module the same as or similar to outgoing message module 34 (shown in FIG. 1 and described herein).

(59) At an operation 306, the outgoing textual messages are transmitted to the appropriate wireless mobile devices such that the first outgoing textual message is transmitted to the first wireless mobile device. In some embodiments, operation 306 is performed by a transmission module the same as or similar to transmission module 36 (shown in FIG. 1 and described herein).

(60) Referring to FIG. 4, at an operation 402, incoming emergency voice calls are received that have been placed to an emergency call center through an emergency communications network. The emergency voice calls have been placed from wireless mobile devices. The incoming emergency voice calls include a first voice call (by a

caller) from a first wireless mobile device. In some embodiments, operation 402 is performed by a call reception module the same as or similar to call reception module 32 (shown in FIG. 1 and described herein).

(61) At an operation 404, outgoing textual messages are generated for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call. The first outgoing textual message includes a uniform resource locator (URL) link to a web-hosted application configured to query and/or prompt the first wireless mobile device and/or the caller for location information. In some embodiments, operation 404 is performed by an outgoing message module the same as or similar to outgoing message module 34 (shown in FIG. 1 and described herein).

(62) At an operation 406, the outgoing textual messages are transmitted to the appropriate wireless mobile devices such that the first outgoing textual message is transmitted to the first wireless mobile device. In some embodiments, operation 406 is performed by a transmission module the same as or similar to transmission module 36 (shown in FIG. 1 and described herein).

(63) At an operation 408, the location information is obtained, responsive to the first wireless mobile device being queried. In some embodiments, operation 408 is performed by a presentation module the same as or similar to presentation module 38 (shown in FIG. 1 and described herein).

(64) Referring to FIG. 5, at an operation 502, a web resources is hosted that is accessible through a uniform resource locator (URL) address. In some embodiments,

operation 502 is performed by a web-hosting module the same as or similar to web-hosting module 40 (shown in FIG. 1 and described herein).

(65) At an operation 504, a request is received from a wireless mobile device. In some embodiments, operation 504 is performed by a web-hosting module the same as or similar to web-hosting module 40 (shown in FIG. 1 and described herein).

(66) At an operation 506, an identifier is received that is associated with the request. In some embodiments, operation 506 is performed by a web-hosting module the same as or similar to web-hosting module 40 (shown in FIG. 1 and described herein).

(67) At an operation 508, a response is transmitted to the wireless mobile device. The response includes a query for location information. In some embodiments, operation 508 is performed by a web-hosting module the same as or similar to web-hosting module 40 (shown in FIG. 1 and described herein).

(68) At an operation 510, the queried location information is received from the wireless mobile device. In some embodiments, operation 510 is performed by a web-hosting module the same as or similar to web-hosting module 40 (shown in FIG. 1 and described herein).

(69) At an operation 512, the queried location information and the received identifier are provided to one or more emergency operators. In some embodiments, operation 512 is performed by a web-hosting module the same as or similar to web-hosting module 40 (shown in FIG. 1 and described herein).

(70) Although the present technology has been described in detail for the purpose of illustration based on what is currently considered to be the most practical and preferred

implementations, it is to be understood that such detail is solely for that purpose and that the technology is not limited to the disclosed implementations, but, on the contrary, is intended to cover modifications and equivalent arrangements that are within the spirit and scope of the claims. For example, it is to be understood that the present technology contemplates that, to the extent possible, one or more features of any implementation can be combined with one or more features of any other implementation.

**What is claimed is:**

1. A system configured to provide, to emergency operators, communication through textual messages, the system comprising:
  - one or more processors configured to execute computer program modules, the computer program modules comprising:
    - a call reception module configured to receive incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call placed from a first wireless mobile device;
    - an outgoing message module configured to generate outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call; and
    - a transmission module configured to transmit the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network.
2. The system of claim 1, further comprising:

- a presentation module configured to present incoming emergency voice calls to emergency operators through a user interface, wherein the user interface includes a set of user-selectable options, and wherein the presentation module is further configured to receive user input from emergency operators to select one or more of the set of user-selectable options.
3. The system of claim 2, wherein the set of user-selectable options correspond to different informational requests associated with the incoming emergency calls such that the first voice call is associated with a first informational request, and wherein the first informational request is included in the first outgoing textual message.
  4. The system of claim 3, wherein the first informational request includes emergency instructions.
  5. The system of claim 1, wherein the first outgoing textual message includes a link to emergency instructions.
  6. The system of claim 1, wherein the outgoing textual messages include one or both of short message service (SMS) messages and/or multimedia messaging service (MMS) messages.
  7. The system of claim 2, further comprising:

a web-hosting module configured to host web resources configured to:

- (i) query wireless mobile devices for location information, and
- (ii) share, responsive to receipt of location information, received

location information with the presentation module,

wherein the first outgoing textual message includes a uniform resource locator (URL) link to the web resources,

wherein the presentation module is further configured to present shared queried location information to emergency operators through the user interface.

8. The system of claim 7, wherein the web resources is configured to query wireless mobile devices for location information through an application programming interface (API) function that accesses one or both of global positioning system (GPS) information and/or geolocation information.
9. The system of claim 2, wherein the transmission module is further configured to receive textual messages from wireless mobile devices through the second communications network.
10. The system of claim 9, wherein the presentation module is further configured to present received textual messages through the user interface.
11. A computer-implemented method for providing, to emergency operators, communication through textual messages, the method being performed by one

or more processors configured to execute computer program modules, the method comprising:

receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call from a first wireless mobile device;

generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call; and

transmitting the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network.

12. The method of claim 11, further comprising:

presenting incoming emergency voice calls to emergency operators through a user interface, wherein the user interface includes a set of user-selectable options; and

receiving user input from emergency operators to select one or more of the set of user-selectable options.

13. The method of claim 12, wherein the set of user-selectable options correspond to different informational requests associated with the incoming emergency calls such that the first voice call is associated with a first informational request, and wherein the first informational request is included in the first outgoing textual message..
14. The method of claim 13, wherein the first informational request includes emergency instructions.
15. The method of claim 11, wherein the first outgoing textual message includes a link to emergency instructions.
16. The method of claim 11, wherein the outgoing textual messages include one or both of short message service (SMS) messages and/or multimedia messaging service (MMS) messages.
17. The method of claim 12, further comprising:
  - querying, through web resources, wireless mobile devices for location information;
  - sharing, responsive to receipt of location information, received location information with the presentation module; and
  - presenting shared queried location information to emergency operators through the user interface.

18. The method of claim 17, wherein querying wireless mobile devices for location information includes accessing, through an application programming interface (API) function, one or both of global positioning system (GPS) information and/or geolocation information.
19. The method of claim 12, further comprising:
  - receiving textual messages from wireless mobile devices through the second communications network.
20. The method of claim 19, further comprising:
  - present received textual messages through the user interface.
21. A computer-implemented method for providing, to emergency operators, communication through textual messages, the method being performed by one or more processors configured to execute computer program modules, the method comprising:
  - receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call from a first wireless mobile device;
  - generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first

outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call, wherein the first outgoing textual message includes textual emergency instructions; and

transmitting the outgoing textual messages to the appropriate wireless mobile devices such that the first outgoing textual message is transmitted to the first wireless mobile device.

22. A computer-implemented method for providing, to emergency operators, communication through textual messages, the method being performed by one or more processors configured to execute computer program modules, the method comprising:

receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call from a first wireless mobile device;

generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call, wherein the first outgoing textual message includes a uniform resource locator (URL) link to a web-hosted application configured to query the first wireless mobile device for location information;

transmitting the outgoing textual messages to the appropriate wireless mobile devices such that the first outgoing textual message is transmitted to the first wireless mobile device; and

obtaining, responsive to the first wireless mobile device being queried, the location information.

23. A computer-implemented method for providing location information to emergency operators, the method being performed by one or more processors configured to execute computer program modules, the method comprising:

hosting web resources that is accessible through a uniform resource locator (URL) address;

receiving a request from a wireless mobile device;

receiving an identifier associated with the request;

transmitting a response to the wireless mobile device, wherein the response includes a query for location information

receiving, from the wireless mobile device, the queried location information; and

providing the queried location information and the received identifier to one or more emergency operators.

***ABSTRACT***

Systems and methods provide, to emergency operators at an emergency call center, the ability to communicate through textual messages with wireless mobile devices from which emergency voice calls have been placed. By virtue of such textual communication, callers using wireless mobile devices can receive emergency instructions and/or provide information about their current location.

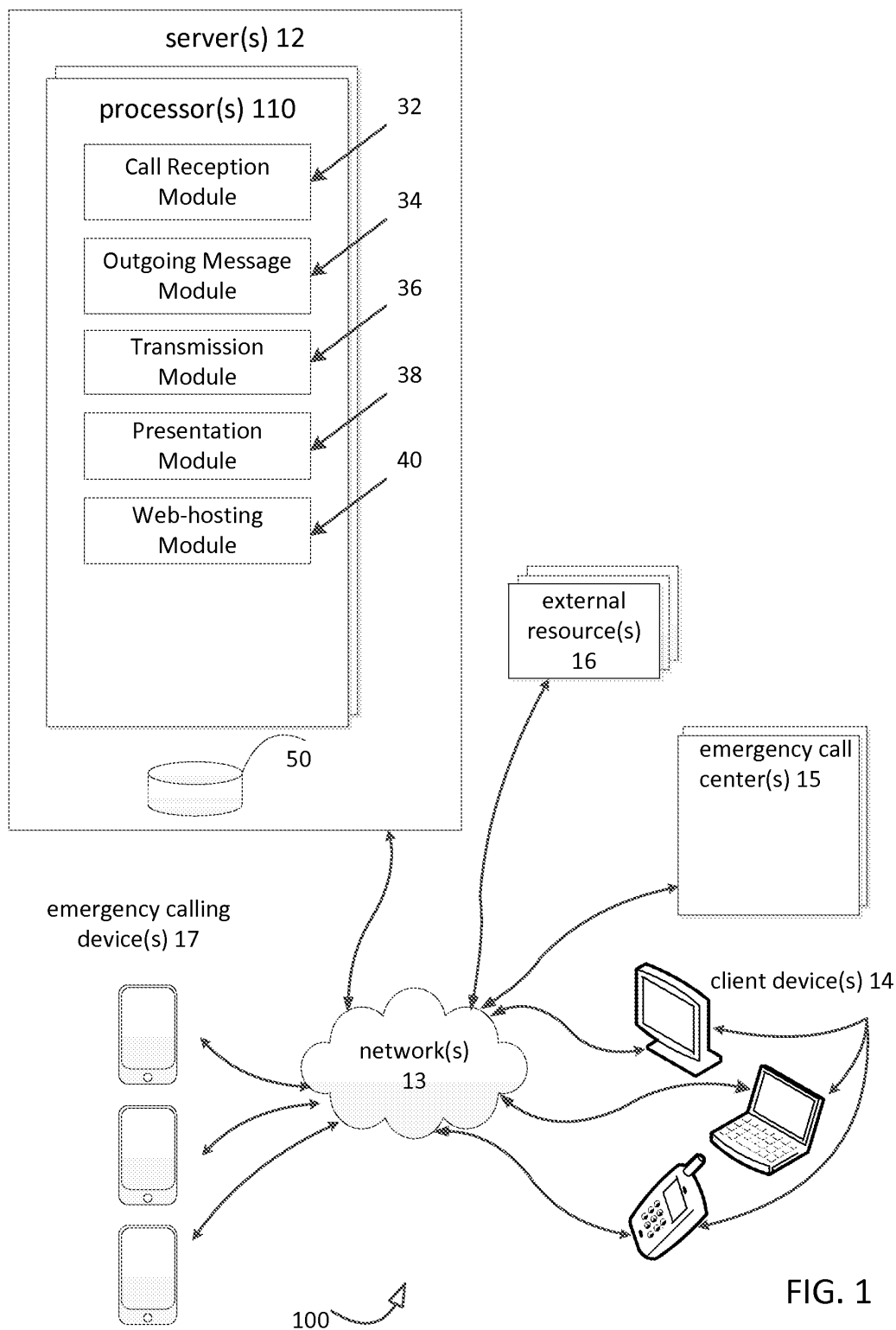


FIG. 1

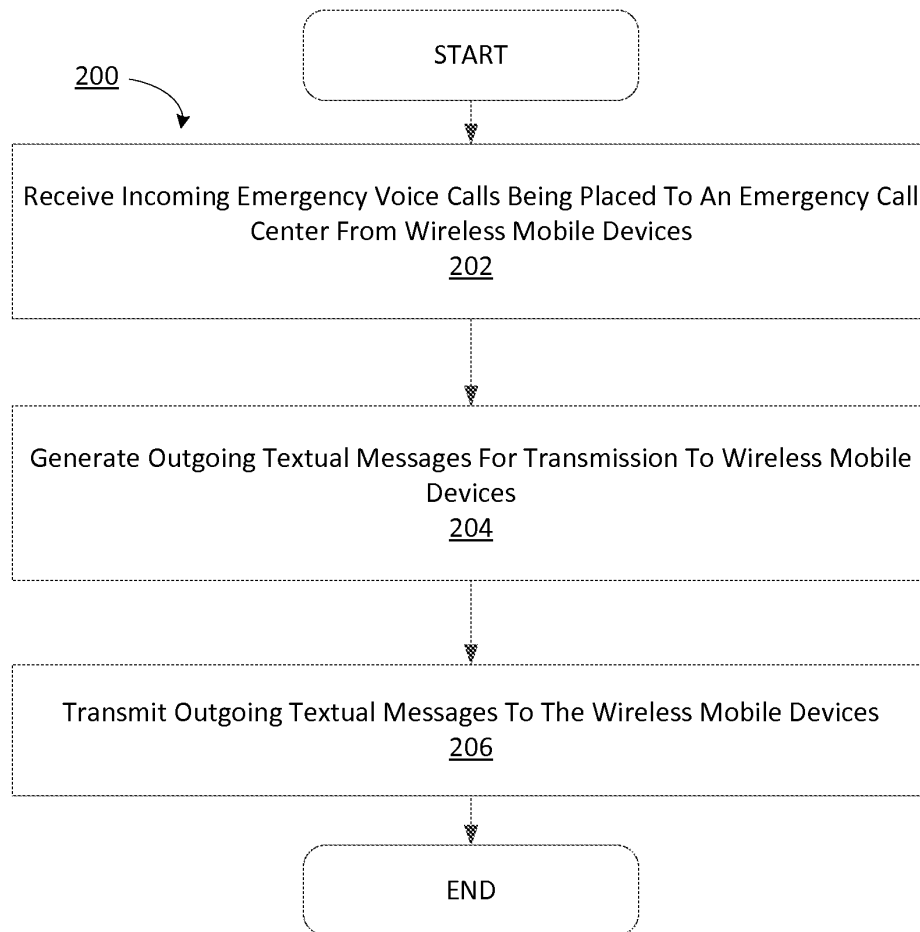


FIG. 2

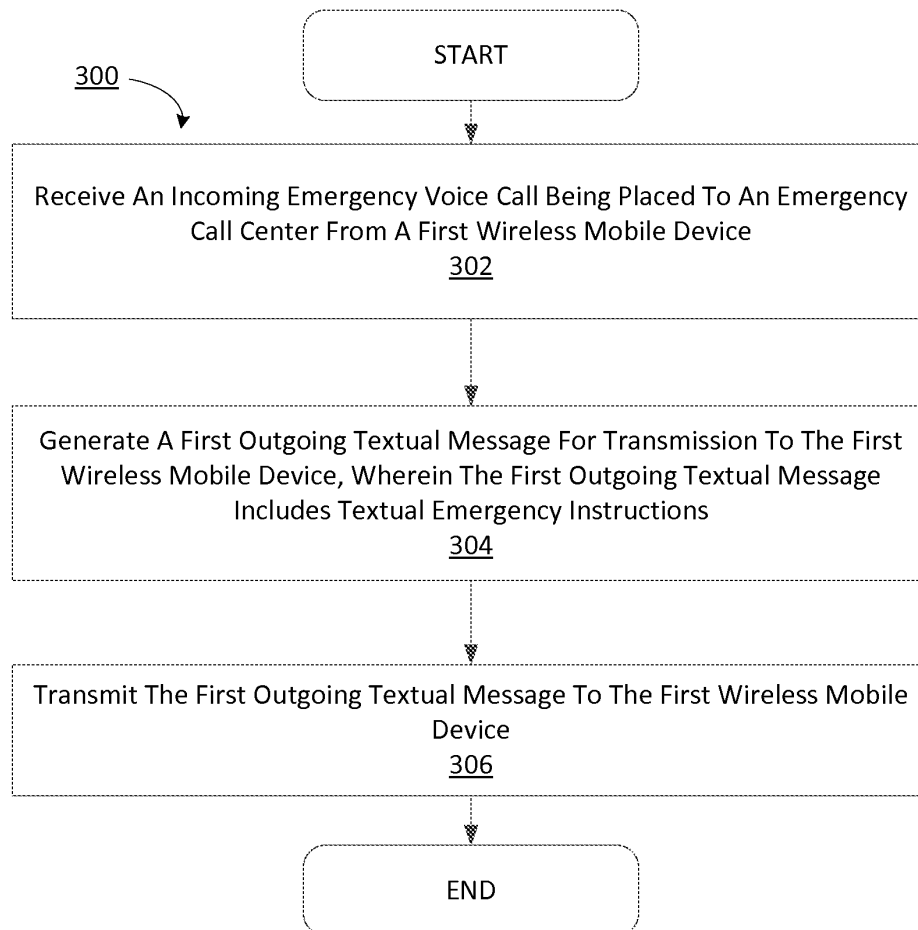


FIG. 3

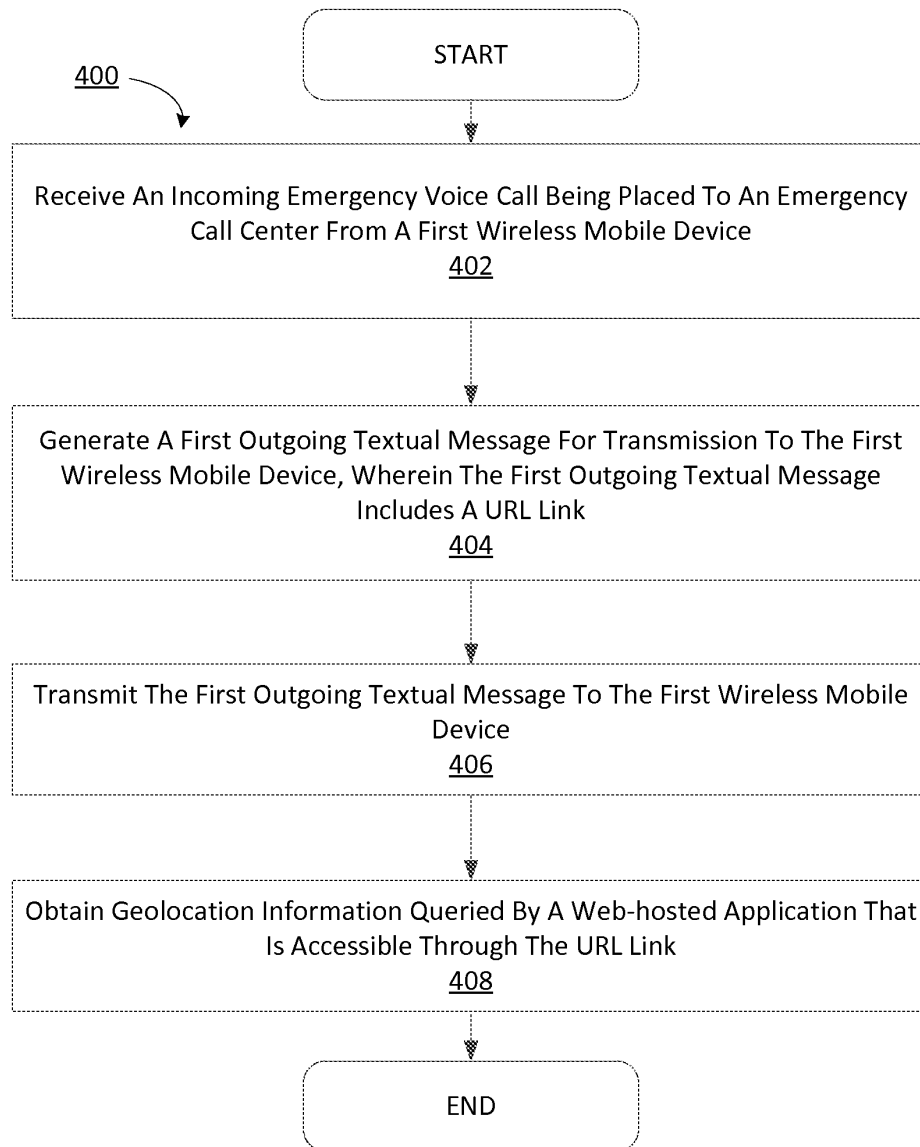


FIG. 4

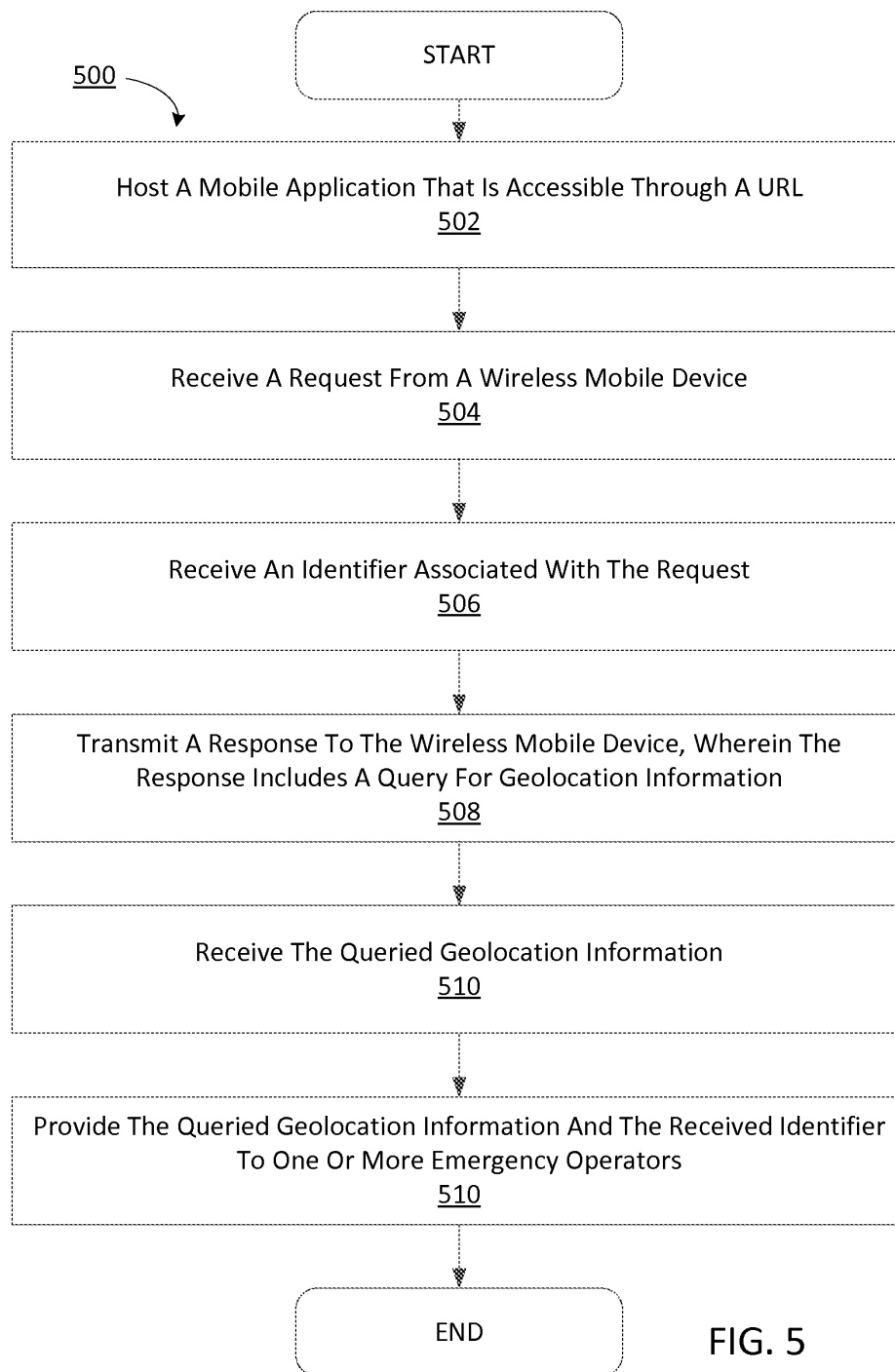


FIG. 5

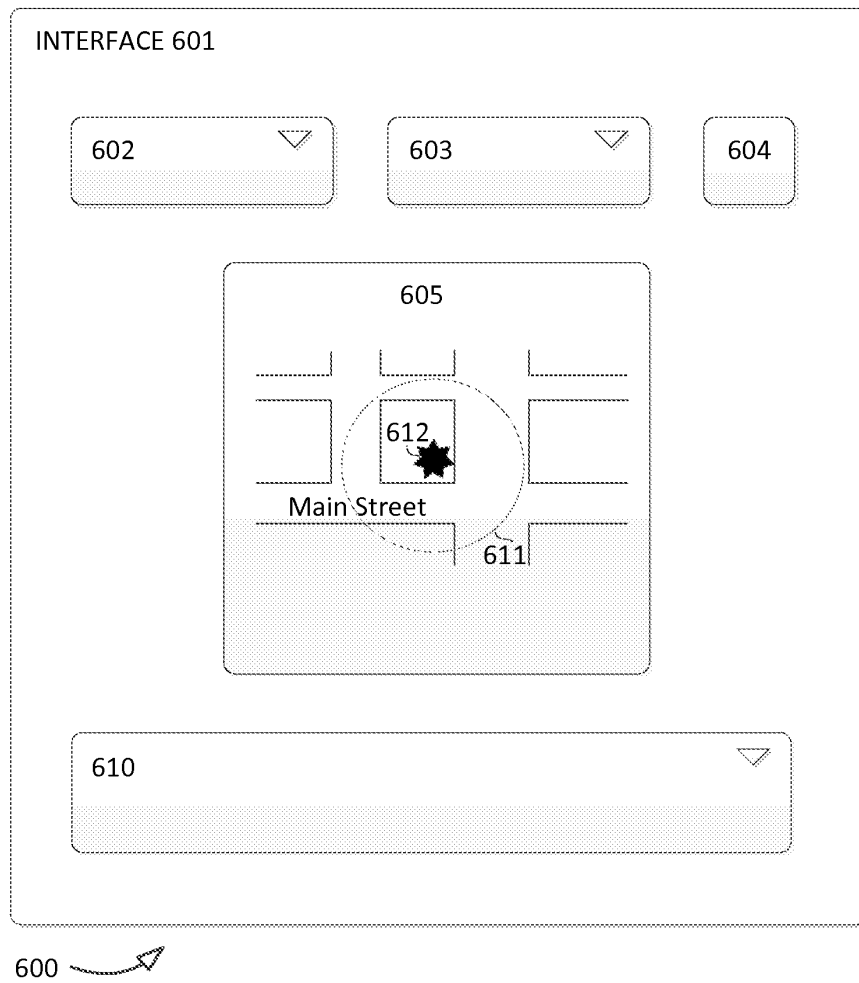


FIG. 6

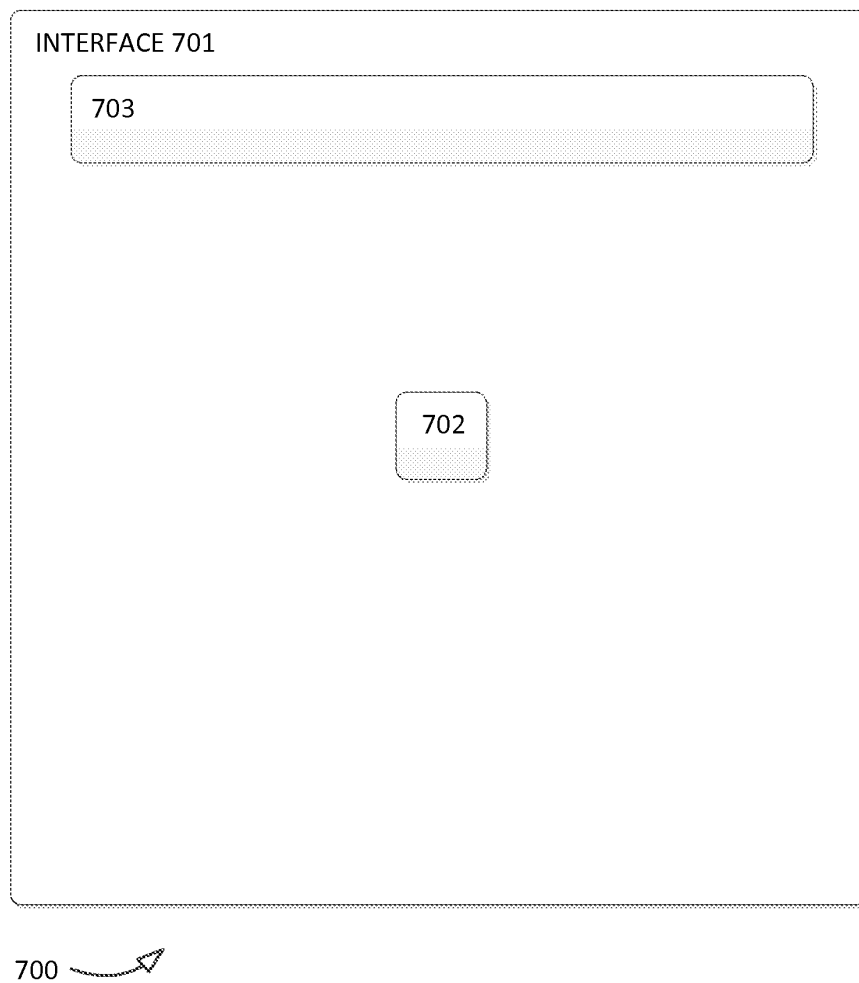


FIG. 7

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS : David J. Leggett, et al.      CONFIRMATION No.: To Be Assigned  
SERIAL NUMBER : To Be Assigned      EXAMINER: To Be Assigned  
FILING DATE : Herewith (August 21,      ART UNIT: To Be Assigned  
2013)  
FOR : SMS COMMUNICATION DURING EMERGENCIES

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98,  
Applicants hereby make of record in the above-identified application the documents  
listed on the attached Form PTO-1449.

Applicants reserve the right to establish the patentability of the claimed invention  
over any of the information provided herewith, and/or to prove that this information may  
not be prior art, and/or to prove that this information may not be enabling for the  
teachings purportedly offered.

This Information Disclosure Statement is being filed within three months of the  
filing date of a national application other than a continued prosecution application under  
37 C.F.R. § 1.53(d), or within three months of the date of entry of the national stage as  
set forth in 37 C.F.R. § 1.491 in an international application, or before the mailing date  
of a first Office Action on the merits, or before the mailing date of a first Office Action

after the filing of a request for continued examination under 37 C.F.R. § 1.114.

No certification or fee is required. 37 C.F.R. § 1.97(b).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP

Dated: August 21, 2013

**Customer No.**  
**00909**

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Telefax: (703) 770-7901

|                                                                                   |                            |                    |
|-----------------------------------------------------------------------------------|----------------------------|--------------------|
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><br>Form PTO-1449 | Docket Number              | Application Number |
|                                                                                   | 058377-0423891             | To Be Assigned     |
|                                                                                   | Applicant(s)               |                    |
|                                                                                   | David J. Leggett, et al.   |                    |
|                                                                                   | Filing Date                | Group Art Unit     |
|                                                                                   | Herewith (August 21, 2013) | To Be Assigned     |

### U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | REF | DOCUMENT NO. | DATE       | NAME                  | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|-----|--------------|------------|-----------------------|-------|----------|-------------------------------|
|                      | 1A  | 7,751,826    | 07/06/2010 | Gardner <i>et al.</i> | 455   | 456.1    |                               |
|                      | 1B  | 8,145,183    | 03/27/2012 | Barbeau <i>et al.</i> | 455   | 414.2    |                               |
|                      | 1C  | 8,270,935    | 09/18/2012 | Lee                   | 455   | 404.1    |                               |
|                      | 1D  | 2005/0176441 | 08/11/2005 | Jurecka               | 455   | 456.1    |                               |
|                      | 1E  | 2012/0149324 | 06/14/2012 | Daly                  | 455   | 404.1    |                               |
|                      |     |              |            |                       |       |          |                               |
|                      |     |              |            |                       |       |          |                               |
|                      |     |              |            |                       |       |          |                               |
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|                      |     |              |            |                       |       |          |                               |
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|                      |     |              |            |                       |       |          |                               |
|                      |     |              |            |                       |       |          |                               |
|                      |     |              |            |                       |       |          |                               |

### FOREIGN PATENT DOCUMENTS

|  | REF | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | Translations |    |
|--|-----|--------------|------|---------|-------|----------|--------------|----|
|  |     |              |      |         |       |          | YES          | NO |
|  |     |              |      |         |       |          |              |    |
|  |     |              |      |         |       |          |              |    |

### OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| EXAMINER                                                                                                                                                                                                                                        | DATE CONSIDERED |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. |                 |

| Electronic Patent Application Fee Transmittal |          |                                      |        |                      |
|-----------------------------------------------|----------|--------------------------------------|--------|----------------------|
| Application Number:                           |          |                                      |        |                      |
| Filing Date:                                  |          |                                      |        |                      |
| Title of Invention:                           |          | SMS COMMUNICATION DURING EMERGENCIES |        |                      |
| First Named Inventor/Applicant Name:          |          | David J. Leggett                     |        |                      |
| Filer:                                        |          | D. Benjamin Esplin/Maxine Cutietta   |        |                      |
| Attorney Docket Number:                       |          | 058377-0423891                       |        |                      |
| Filed as Large Entity                         |          |                                      |        |                      |
| Utility under 35 USC 111(a) Filing Fees       |          |                                      |        |                      |
| Description                                   | Fee Code | Quantity                             | Amount | Sub-Total in USD(\$) |
| <b>Basic Filing:</b>                          |          |                                      |        |                      |
| Utility application filing                    | 1011     | 1                                    | 280    | 280                  |
| Utility Search Fee                            | 1111     | 1                                    | 600    | 600                  |
| Utility Examination Fee                       | 1311     | 1                                    | 720    | 720                  |
| <b>Pages:</b>                                 |          |                                      |        |                      |
| <b>Claims:</b>                                |          |                                      |        |                      |
| Claims in Excess of 20                        | 1202     | 3                                    | 80     | 240                  |
| Independent claims in excess of 3             | 1201     | 2                                    | 420    | 840                  |
| <b>Miscellaneous-Filing:</b>                  |          |                                      |        |                      |

| Description                              | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|------------------------------------------|----------|----------|--------|----------------------|
| <b>Petition:</b>                         |          |          |        |                      |
| <b>Patent-Appeals-and-Interference:</b>  |          |          |        |                      |
| <b>Post-Allowance-and-Post-Issuance:</b> |          |          |        |                      |
| <b>Extension-of-Time:</b>                |          |          |        |                      |
| <b>Miscellaneous:</b>                    |          |          |        |                      |
| <b>Total in USD (\$)</b>                 |          |          |        | <b>2680</b>          |

| Electronic Acknowledgement Receipt          |                                      |
|---------------------------------------------|--------------------------------------|
| <b>EFS ID:</b>                              | 16653206                             |
| <b>Application Number:</b>                  | 13972843                             |
| <b>International Application Number:</b>    |                                      |
| <b>Confirmation Number:</b>                 | 1075                                 |
| <b>Title of Invention:</b>                  | SMS COMMUNICATION DURING EMERGENCIES |
| <b>First Named Inventor/Applicant Name:</b> | David J. Leggett                     |
| <b>Customer Number:</b>                     | 909                                  |
| <b>Filer:</b>                               | D. Benjamin Esplin/Maxine Cutietta   |
| <b>Filer Authorized By:</b>                 | D. Benjamin Esplin                   |
| <b>Attorney Docket Number:</b>              | 058377-0423891                       |
| <b>Receipt Date:</b>                        | 21-AUG-2013                          |
| <b>Filing Date:</b>                         |                                      |
| <b>Time Stamp:</b>                          | 21:34:18                             |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)          |

### Payment information:

|                                                                                                                                                                                                                                                                                                                                                                                          |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Submitted with Payment                                                                                                                                                                                                                                                                                                                                                                   | yes             |
| Payment Type                                                                                                                                                                                                                                                                                                                                                                             | Deposit Account |
| Payment was successfully received in RAM                                                                                                                                                                                                                                                                                                                                                 | \$2680          |
| RAM confirmation Number                                                                                                                                                                                                                                                                                                                                                                  | 9826            |
| Deposit Account                                                                                                                                                                                                                                                                                                                                                                          | 033975          |
| Authorized User                                                                                                                                                                                                                                                                                                                                                                          |                 |
| <p>The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:</p> <p>Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)</p> <p>Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)</p> |                 |

| Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)           |                                                            |                                |                                           |                  |                  |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------|-------------------------------------------|------------------|------------------|
| Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)             |                                                            |                                |                                           |                  |                  |
| Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges) |                                                            |                                |                                           |                  |                  |
| <b>File Listing:</b>                                                                              |                                                            |                                |                                           |                  |                  |
| Document Number                                                                                   | Document Description                                       | File Name                      | File Size(Bytes)/<br>Message Digest       | Multi Part /.zip | Pages (if appl.) |
| 1                                                                                                 | Transmittal of New Application                             | 0423891_UtilityTransmittal.pdf | 138733                                    | no               | 2                |
|                                                                                                   |                                                            |                                | 6e89bb5f1c46f73004acd7f26e1fad07527935    |                  |                  |
| <b>Warnings:</b>                                                                                  |                                                            |                                |                                           |                  |                  |
| <b>Information:</b>                                                                               |                                                            |                                |                                           |                  |                  |
| 2                                                                                                 | Application Data Sheet                                     | 0423891_ADS.pdf                | 1503999                                   | no               | 8                |
|                                                                                                   |                                                            |                                | 47d346bd87da936b00fde87470aa66594a735e06  |                  |                  |
| <b>Warnings:</b>                                                                                  |                                                            |                                |                                           |                  |                  |
| <b>Information:</b>                                                                               |                                                            |                                |                                           |                  |                  |
| 3                                                                                                 |                                                            | 0423891_Application.pdf        | 154746                                    | yes              | 38               |
|                                                                                                   |                                                            |                                | 246b7292acda777d28905baa78e582808429c32e  |                  |                  |
|                                                                                                   | <b>Multipart Description/PDF files in .zip description</b> |                                |                                           |                  |                  |
|                                                                                                   | <b>Document Description</b>                                |                                | <b>Start</b>                              | <b>End</b>       |                  |
|                                                                                                   | Specification                                              |                                | 1                                         | 29               |                  |
|                                                                                                   | Claims                                                     |                                | 30                                        | 37               |                  |
|                                                                                                   | Abstract                                                   |                                | 38                                        | 38               |                  |
| <b>Warnings:</b>                                                                                  |                                                            |                                |                                           |                  |                  |
| <b>Information:</b>                                                                               |                                                            |                                |                                           |                  |                  |
| 4                                                                                                 | Drawings-only black and white line drawings                | 0423891_FIGURES.pdf            | 352183                                    | no               | 7                |
|                                                                                                   |                                                            |                                | 51698a9d7a45c8a9f7c4f07ef9968136a3a8d722  |                  |                  |
| <b>Warnings:</b>                                                                                  |                                                            |                                |                                           |                  |                  |
| <b>Information:</b>                                                                               |                                                            |                                |                                           |                  |                  |
| 5                                                                                                 | Transmittal Letter                                         | 0423891_IDSTransmittal.pdf     | 17977                                     | no               | 2                |
|                                                                                                   |                                                            |                                | 3c7542d0565d5cc342e8a54f7a1d0c5ecf98831e2 |                  |                  |
| <b>Warnings:</b>                                                                                  |                                                            |                                |                                           |                  |                  |
| <b>Information:</b>                                                                               |                                                            |                                |                                           |                  |                  |
| 6                                                                                                 | Information Disclosure Statement (IDS) Form (SB08)         | 0423891_PTO1449.pdf            | 19804                                     | no               | 1                |
|                                                                                                   |                                                            |                                | 5c30281298feae9e9bf87063e8d167865243cb4f  |                  |                  |
| <b>Warnings:</b>                                                                                  |                                                            |                                |                                           |                  |                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |              |                                          |         |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|------------------------------------------|---------|---|
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |              |                                          |         |   |
| This is not an USPTO supplied IDS fillable form                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |              |                                          |         |   |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Fee Worksheet (SB06) | fee-info.pdf | 38276                                    | no      | 2 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |              | 093acaf571d27cee21cd1b6c208eeaa22db98cd0 |         |   |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |              |                                          |         |   |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |              |                                          |         |   |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |              |                                          | 2225718 |   |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                      |              |                                          |         |   |

## **SCORE Placeholder Sheet for IFW Content**

Application Number: 13972843

Document Date: 08/21/2013

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

- Drawings – Other than Black and White Line Drawings

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

To access the documents in the SCORE database, refer to instructions developed by SIRA.

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Form Revision Date: February 8, 2006

Document code: WFEE

United States Patent and Trademark Office  
Sales Receipt for Accounting Date: 09/11/2013

|         |      |           |              |            |        |          |
|---------|------|-----------|--------------|------------|--------|----------|
| MNGUYEN | SALE | #00000017 | Mailroom Dt: | 08/21/2013 | 033975 | 13972843 |
|         |      | 01        | FC : 1051    | 140.00     | DA     |          |

| <b>PATENT APPLICATION FEE DETERMINATION RECORD</b><br>Substitute for Form PTO-875                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                               |                                  |          |                                    |               | Application or Docket Number<br>13/972,843 |                    |                         |                    |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------|------------------------------------|---------------|--------------------------------------------|--------------------|-------------------------|--------------------|--------------------|
| <b>APPLICATION AS FILED - PART I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                         |                    |                    |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                               | (Column 2)                       |          | SMALL ENTITY                       |               | OTHER THAN SMALL ENTITY                    |                    |                         |                    |                    |
| FOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NUMBER FILED                                                                                                                                                                                                                  | NUMBER EXTRA                     | RATE(\$) | FEE(\$)                            |               | RATE(\$)                                   | FEE(\$)            |                         |                    |                    |
| BASIC FEE<br><small>(37 CFR 1.16(a), (b), or (c))</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                                                                                                                                                                           | N/A                              | N/A      |                                    |               | N/A                                        | 280                |                         |                    |                    |
| SEARCH FEE<br><small>(37 CFR 1.16(k), (j), or (m))</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                                                                                                                                                           | N/A                              | N/A      |                                    |               | N/A                                        | 600                |                         |                    |                    |
| EXAMINATION FEE<br><small>(37 CFR 1.16(o), (p), or (q))</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                           | N/A                              | N/A      |                                    |               | N/A                                        | 720                |                         |                    |                    |
| TOTAL CLAIMS<br><small>(37 CFR 1.16(i))</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 23                                                                                                                                                                                                                            | minus 20 =<br>*                  | 3        |                                    |               | x 80 =                                     | 240                |                         |                    |                    |
| INDEPENDENT CLAIMS<br><small>(37 CFR 1.16(h))</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                                                                                                                                                                                                                             | minus 3 =<br>*                   | 2        |                                    |               | x 420 =                                    | 840                |                         |                    |                    |
| APPLICATION SIZE FEE<br><small>(37 CFR 1.16(s))</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |                                  |          |                                    |               |                                            | 0.00               |                         |                    |                    |
| MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            | 0.00               |                         |                    |                    |
| * If the difference in column 1 is less than zero, enter "0" in column 2.                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                               |                                  |          | TOTAL                              |               | TOTAL                                      | 2680               |                         |                    |                    |
| <b>APPLICATION AS AMENDED - PART II</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                         |                    |                    |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                               | (Column 2)                       |          | (Column 3)                         |               | SMALL ENTITY                               |                    | OTHER THAN SMALL ENTITY |                    |                    |
| AMENDMENT A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               | CLAIMS REMAINING AFTER AMENDMENT |          | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$)                                   | ADDITIONAL FEE(\$) |                         | RATE(\$)           | ADDITIONAL FEE(\$) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Total<br><small>(37 CFR 1.16(i))</small>                                                                                                                                                                                      | *                                | Minus    | **                                 | =             | x                                          | =                  |                         | x                  | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Independent<br><small>(37 CFR 1.16(h))</small>                                                                                                                                                                                | *                                | Minus    | ***                                | =             | x                                          | =                  |                         | x                  | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Application Size Fee (37 CFR 1.16(s))                                                                                                                                                                                         |                                  |          |                                    |               |                                            |                    |                         |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                         |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                               |                                  |          |                                    |               | TOTAL<br>ADD'L FEE                         |                    |                         | TOTAL<br>ADD'L FEE |                    |
| AMENDMENT B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               | CLAIMS REMAINING AFTER AMENDMENT |          | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$)                                   | ADDITIONAL FEE(\$) |                         | RATE(\$)           | ADDITIONAL FEE(\$) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Total<br><small>(37 CFR 1.16(i))</small>                                                                                                                                                                                      | *                                | Minus    | **                                 | =             | x                                          | =                  |                         | x                  | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Independent<br><small>(37 CFR 1.16(h))</small>                                                                                                                                                                                | *                                | Minus    | ***                                | =             | x                                          | =                  |                         | x                  | =                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Application Size Fee (37 CFR 1.16(s))                                                                                                                                                                                         |                                  |          |                                    |               |                                            |                    |                         |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                         |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                               |                                  |          |                                    |               | TOTAL<br>ADD'L FEE                         |                    |                         | TOTAL<br>ADD'L FEE |                    |
| <div style="font-size: x-small;">             * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.<br/>             ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".<br/>             *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".<br/>             The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.           </div> |                                                                                                                                                                                                                               |                                  |          |                                    |               |                                            |                    |                         |                    |                    |



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| APPLICATION<br>NUMBER | FILING or<br>371(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY DOCKET NO | TOT CLAIMS | IND CLAIMS |
|-----------------------|--------------------------|-----------------|---------------|----------------|------------|------------|
| 13/972,843            | 08/21/2013               | 2656            | 2820          | 058377-0423891 | 23         | 5          |

CONFIRMATION NO. 1075

909

Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

FILING RECEIPT



\*OC000000063723466\*

Date Mailed: 09/16/2013

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

David J. Leggett, Hope Island, AUSTRALIA;  
Christopher David Maloney, Rancho Santa Fe, CA;  
Scott Michael MacDonald, Norfolk, MA;  
Mark David Hamilton, San Diego, CA;  
Erik Christian Loberg, Carlsbad, CA;  
Chen-Lu Meng, San Diego, CA;  
Ken D. Martin, Golden, CO;

Applicant(s)

TRITECH SOFTWARE SYSTEMS, San Diego, CA

Assignment For Published Patent Application

TRITECH SOFTWARE SYSTEMS, San Diego, CA

Power of Attorney: None

Domestic Applications for which benefit is claimed - None.

*A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.*

**Foreign Applications** for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

*Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.*

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

**If Required, Foreign Filing License Granted:** 09/11/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/972,843**

**Projected Publication Date:** Request for Non-Publication Acknowledged

**Non-Publication Request:** Yes

**Early Publication Request:** No  
**Title**

SMS COMMUNICATION DURING EMERGENCIES

**Preliminary Class**

379

**Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications:** No

## **PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

**LICENSE FOR FOREIGN FILING UNDER**  
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**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



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www.uspto.gov

| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 13/972,843         | 08/21/2013            | David J. Leggett      | 058377-0423891         |

**CONFIRMATION NO. 1075**

909

Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

## NOTICE



OC000000063723467

Date Mailed: 09/16/2013

## INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):

David J. Leggett  
Christopher David Maloney  
Scott Michael MacDonald  
Mark David Hamilton  
Erik Christian Loberg  
Chen-Lu Meng  
Ken D. Martin

Applicant may submit the inventor's oath or declaration at any time before the Notice of Allowance and Fee(s) Due, PTOL-85, is mailed.

## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:



Practitioners associated with Customer Number:

00909

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

| Name | Registration Number |
|------|---------------------|
|      |                     |
|      |                     |
|      |                     |
|      |                     |
|      |                     |
|      |                     |

| Name | Registration Number |
|------|---------------------|
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|      |                     |
|      |                     |

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:



The address associated with Customer Number:

00909

OR

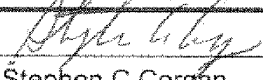
|                          |                         |       |
|--------------------------|-------------------------|-------|
| <input type="checkbox"/> | Firm or Individual Name |       |
|                          | Address                 |       |
|                          | City                    |       |
|                          | Country                 |       |
|                          | Telephone               | Email |

Assignee Name and Address: TRITECH SOFTWARE SYSTEMS  
9477 Waples Street, Suite 100, San Diego CA 92121 USA

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

### SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

|           |                                                                                     |           |                |
|-----------|-------------------------------------------------------------------------------------|-----------|----------------|
| Signature |  | Date      | 12/11/2012     |
| Name      | Stephen C. Corgan                                                                   | Telephone | (858) 799-7450 |
| Title     | Vice President of Engineering                                                       |           |                |

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN  
APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **SMS COMMUNICATION DURING EMERGENCIES**

As a below named inventor, I hereby declare that:

This declaration is directed to U.S. Patent Application Serial No. 13/972,843 filed August 21, 2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "**SMS COMMUNICATION DURING EMERGENCIES**" disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, **TRITECH SOFTWARE SYSTEMS** (hereinafter "Assignee"), a corporation of Delaware, having a place of business at 9477 Waples Street, Suite 100, San Diego CA 92121 USA, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

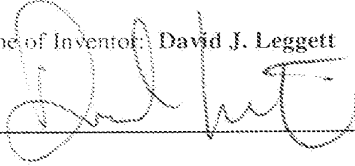
AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension,

substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **David J. Leggett**

Signature:  Date: 11<sup>th</sup> September 2013

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

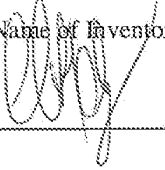
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature:  \_\_\_\_\_ Date: 8/22/2013

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

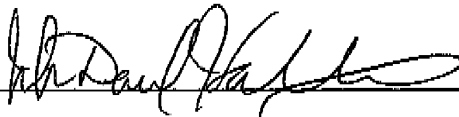
(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature:  \_\_\_\_\_ Date: 10/25/13

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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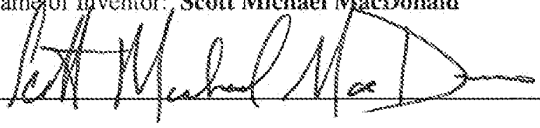
(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature:  Date: 10/3/13

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: /Erik Christian Loberg/ Date: 08/22/2013

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: /Chen-Lu Meng/ Date: 08/22/2013

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: /Ken D. Martin/ Date: 8/21/2013

**STATEMENT UNDER 37 CFR 3.73(c)**

Applicant/Patent Owner: David J. Leggett et al.

Application No./Patent No.: 13/972,843 Filed/Issue Date: August 21, 2013

Titled: SMS COMMUNICATION DURING EMERGENCIES

TRITECH SOFTWARE SYSTEMS, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is \_\_\_\_%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at

Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at

Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

**STATEMENT UNDER 37 CFR 3.73(c)**

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

4. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

5. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

6. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/D. Benjamin Esplin/

October 25, 2013

Signature

Date

D. Benjamin Esplin

58297

Printed or Typed Name

Title or Registration Number

## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

| Electronic Patent Application Fee Transmittal  |          |                                      |        |                      |
|------------------------------------------------|----------|--------------------------------------|--------|----------------------|
| <b>Application Number:</b>                     |          | 13972843                             |        |                      |
| <b>Filing Date:</b>                            |          | 21-Aug-2013                          |        |                      |
| <b>Title of Invention:</b>                     |          | SMS COMMUNICATION DURING EMERGENCIES |        |                      |
| <b>First Named Inventor/Applicant Name:</b>    |          | David J. Leggett                     |        |                      |
| <b>Filer:</b>                                  |          | D. Benjamin Esplin/Maxine Cutietta   |        |                      |
| <b>Attorney Docket Number:</b>                 |          | 058377-0423891                       |        |                      |
| Filed as Large Entity                          |          |                                      |        |                      |
| <b>Utility under 35 USC 111(a) Filing Fees</b> |          |                                      |        |                      |
| Description                                    | Fee Code | Quantity                             | Amount | Sub-Total in USD(\$) |
| <b>Basic Filing:</b>                           |          |                                      |        |                      |
| <b>Pages:</b>                                  |          |                                      |        |                      |
| <b>Claims:</b>                                 |          |                                      |        |                      |
| <b>Miscellaneous-Filing:</b>                   |          |                                      |        |                      |
| Late Filing Fee for Oath or Declaration        | 1051     | 1                                    | 140    | 140                  |
| <b>Petition:</b>                               |          |                                      |        |                      |
| <b>Patent-Appeals-and-Interference:</b>        |          |                                      |        |                      |
| <b>Post-Allowance-and-Post-Issuance:</b>       |          |                                      |        |                      |
| <b>Extension-of-Time:</b>                      |          |                                      |        |                      |

| Description       | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|-------------------|----------|----------|--------|----------------------|
| Miscellaneous:    |          |          |        |                      |
| Total in USD (\$) |          |          |        | 140                  |

| Electronic Acknowledgement Receipt          |                                      |
|---------------------------------------------|--------------------------------------|
| <b>EFS ID:</b>                              | 17235505                             |
| <b>Application Number:</b>                  | 13972843                             |
| <b>International Application Number:</b>    |                                      |
| <b>Confirmation Number:</b>                 | 1075                                 |
| <b>Title of Invention:</b>                  | SMS COMMUNICATION DURING EMERGENCIES |
| <b>First Named Inventor/Applicant Name:</b> | David J. Leggett                     |
| <b>Customer Number:</b>                     | 909                                  |
| <b>Filer:</b>                               | D. Benjamin Esplin/Maxine Cutietta   |
| <b>Filer Authorized By:</b>                 | D. Benjamin Esplin                   |
| <b>Attorney Docket Number:</b>              | 058377-0423891                       |
| <b>Receipt Date:</b>                        | 25-OCT-2013                          |
| <b>Filing Date:</b>                         | 21-AUG-2013                          |
| <b>Time Stamp:</b>                          | 19:16:26                             |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)          |

### Payment information:

|                                                                                                                                                                                                                                                                                                                                                                           |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Submitted with Payment                                                                                                                                                                                                                                                                                                                                                    | yes             |
| Payment Type                                                                                                                                                                                                                                                                                                                                                              | Deposit Account |
| Payment was successfully received in RAM                                                                                                                                                                                                                                                                                                                                  | \$140           |
| RAM confirmation Number                                                                                                                                                                                                                                                                                                                                                   | 5896            |
| Deposit Account                                                                                                                                                                                                                                                                                                                                                           | 033975          |
| Authorized User                                                                                                                                                                                                                                                                                                                                                           |                 |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:<br>Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)<br>Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees) |                 |

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

### File Listing:

| Document Number              | Document Description                           | File Name                         | File Size(Bytes)/<br>Message Digest      | Multi Part /.zip | Pages (if appl.) |
|------------------------------|------------------------------------------------|-----------------------------------|------------------------------------------|------------------|------------------|
| 1                            | Oath or Declaration filed                      | 0423891_DeclarationAssignment.pdf | 1185243                                  | no               | 8                |
|                              |                                                |                                   | 7320ab59133b23a4b3c7cdfb5ff2f652837ad88  |                  |                  |
| Warnings:                    |                                                |                                   |                                          |                  |                  |
| Information:                 |                                                |                                   |                                          |                  |                  |
| 2                            | Power of Attorney                              | TRITECHSOFTWARESYSTEMS_POA.pdf    | 63742                                    | no               | 1                |
|                              |                                                |                                   | 2c76c181a8399130e4b7d25cfb8ed5fcc7753db  |                  |                  |
| Warnings:                    |                                                |                                   |                                          |                  |                  |
| Information:                 |                                                |                                   |                                          |                  |                  |
| 3                            | Assignee showing of ownership per 37 CFR 3.73. | 0423891_373Attachment.pdf         | 1186559                                  | no               | 8                |
|                              |                                                |                                   | 408c98c181655efb5b7b95953afdb9359b2e497c |                  |                  |
| Warnings:                    |                                                |                                   |                                          |                  |                  |
| Information:                 |                                                |                                   |                                          |                  |                  |
| 4                            | Assignee showing of ownership per 37 CFR 3.73. | 0423891_373Statement.pdf          | 118031                                   | no               | 3                |
|                              |                                                |                                   | e1bb6319e561f420dc98087c3e204db70bc300c2 |                  |                  |
| Warnings:                    |                                                |                                   |                                          |                  |                  |
| Information:                 |                                                |                                   |                                          |                  |                  |
| 5                            | Fee Worksheet (SB06)                           | fee-info.pdf                      | 30340                                    | no               | 2                |
|                              |                                                |                                   | 1a9fb2fc8879a4342dd09df8476559ec8e0129a3 |                  |                  |
| Warnings:                    |                                                |                                   |                                          |                  |                  |
| Information:                 |                                                |                                   |                                          |                  |                  |
| Total Files Size (in bytes): |                                                |                                   | 2583915                                  |                  |                  |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN  
APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **SMS COMMUNICATION DURING EMERGENCIES**

As a below named inventor, I hereby declare that:

This declaration is directed to U.S. Patent Application Serial No. 13/972,843 filed August 21, 2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "**SMS COMMUNICATION DURING EMERGENCIES**" disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, **TRITECH SOFTWARE SYSTEMS** (hereinafter "Assignee"), a corporation of Delaware, having a place of business at 9477 Waples Street, Suite 100, San Diego CA 92121 USA, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

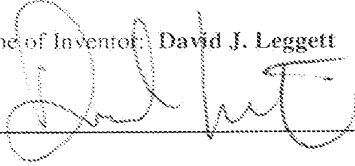
AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension,

substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **David J. Leggett**

Signature:  Date: 11<sup>th</sup> September 2013

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

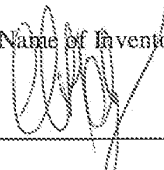
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature:  \_\_\_\_\_ Date: 8/22/2013

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

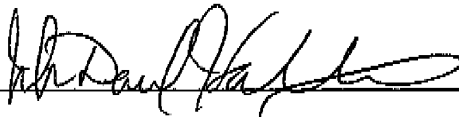
(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature:  \_\_\_\_\_ Date: 10/25/13

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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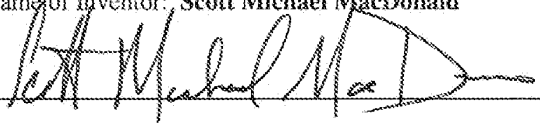
(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature:  Date: 10/3/13

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: /Erik Christian Loberg/ Date: 08/22/2013

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(7) Legal Name of Inventor: **Ken D. Martin**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: /Chen-Lu Meng/ Date: 08/22/2013

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(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature: /Ken D. Martin/ Date: 8/21/2013

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2592361

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NEW ASSIGNMENT                                               |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|---------------------|------------|---------------------------|------------|-------------------------|------------|---------------------|------------|-----------------------|------------|--------------|------------|---------------|------------|--|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ASSIGNMENT                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>DAVID J. LEGGETT</td><td>09/11/2013</td></tr><tr><td>CHRISTOPHER DAVID MALONEY</td><td>08/22/2013</td></tr><tr><td>SCOTT MICHAEL MACDONALD</td><td>10/03/2013</td></tr><tr><td>MARK DAVID HAMILTON</td><td>10/25/2013</td></tr><tr><td>ERIK CHRISTIAN LOBERG</td><td>08/22/2013</td></tr><tr><td>CHEN-LU MENG</td><td>08/22/2013</td></tr><tr><td>KEN D. MARTIN</td><td>08/21/2013</td></tr></tbody></table> | Name                                                         | Execution Date | DAVID J. LEGGETT    | 09/11/2013 | CHRISTOPHER DAVID MALONEY | 08/22/2013 | SCOTT MICHAEL MACDONALD | 10/03/2013 | MARK DAVID HAMILTON | 10/25/2013 | ERIK CHRISTIAN LOBERG | 08/22/2013 | CHEN-LU MENG | 08/22/2013 | KEN D. MARTIN | 08/21/2013 |  |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Execution Date                                               |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| DAVID J. LEGGETT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 09/11/2013                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| CHRISTOPHER DAVID MALONEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 08/22/2013                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| SCOTT MICHAEL MACDONALD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10/03/2013                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| MARK DAVID HAMILTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10/25/2013                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| ERIK CHRISTIAN LOBERG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 08/22/2013                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| CHEN-LU MENG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 08/22/2013                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| KEN D. MARTIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 08/21/2013                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TRITECH SOFTWARE SYSTEMS                                     |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9477 WAPLES STREET                                           |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SUITE 100                                                    |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SAN DIEGO                                                    |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CALIFORNIA                                                   |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 92121                                                        |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13972843</td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                              | Property Type                                                | Number         | Application Number: | 13972843   |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Number                                                       |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 13972843                                                     |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Fax Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (703)770-7901                                                |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 703-770-7900                                                 |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Email:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | docket_IP@pillsburylaw.com, maxine.cutietta@pillsburylaw.com |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Correspondent Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PILLSBURY WINTHROP SHAW PITTMAN, LLP (NV)                    |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Address Line 1:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PO BOX 10500                                                 |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |
| Address Line 4:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MCLEAN, VIRGINIA 22102                                       |                |                     |            |                           |            |                         |            |                     |            |                       |            |              |            |               |            |  |

CH \$40.00 13972843

|                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                                                                     | 058377-0423891                                             |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                                                          | D BENJAMIN ESPLIN                                          |
| Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                  | /D. Benjamin Esplin/                                       |
| Date:                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10/25/2013                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             | This document serves as an Oath/Declaration (37 CFR 1.63). |
| <b>Total Attachments: 8</b><br>source=0423891_DeclarationAssignment#page1.tif<br>source=0423891_DeclarationAssignment#page2.tif<br>source=0423891_DeclarationAssignment#page3.tif<br>source=0423891_DeclarationAssignment#page4.tif<br>source=0423891_DeclarationAssignment#page5.tif<br>source=0423891_DeclarationAssignment#page6.tif<br>source=0423891_DeclarationAssignment#page7.tif<br>source=0423891_DeclarationAssignment#page8.tif |                                                            |

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN  
APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **SMS COMMUNICATION DURING EMERGENCIES**

As a below named inventor, I hereby declare that:

This declaration is directed to U.S. Patent Application Serial No. 13/972,843 filed August 21, 2013.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "**SMS COMMUNICATION DURING EMERGENCIES**" disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, **TRITECH SOFTWARE SYSTEMS** (hereinafter "Assignee"), a corporation of Delaware, having a place of business at 9477 Waples Street, Suite 100, San Diego CA 92121 USA, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension,

substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **David J. Leggett**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

11<sup>th</sup> SEPTEMBER 2013

(2) Legal Name of Inventor: **Christopher David Maloney**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Scott Michael MacDonald**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Mark David Hamilton**

Signature: \_\_\_\_\_

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(5) Legal Name of Inventor: **Erik Christian Loberg**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

(6) Legal Name of Inventor: **Chen-Lu Meng**

Signature: \_\_\_\_\_

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Signature: \_\_\_\_\_

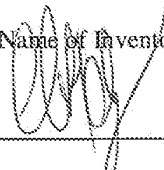
Date: \_\_\_\_\_

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Signature:  \_\_\_\_\_ Date: 8/22/2013

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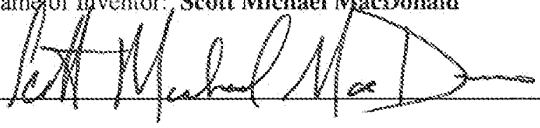
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Signature:  Date: 10/3/13

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 13/972,843         | 08/21/2013            | David J. Leggett      | 058377-0423891         |

**CONFIRMATION NO. 1075**

**POA ACCEPTANCE LETTER**

909  
Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102



Date Mailed: 10/31/2013

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 10/25/2013.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/fstephanos/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

|                                                                                                                                                                                                                                                                                                                                                   |                      |                             |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------|-------------------------|
| <b>RESCISSION OF PREVIOUS NONPUBLICATION REQUEST</b><br>(35 U.S.C. 122(b)(2)(B)(ii))<br><b>AND, IF APPLICABLE,</b><br><b>NOTICE OF FOREIGN FILING</b><br>(35 U.S.C. 122(b)(2)(B)(iii))<br><br>Send completed form to:<br><b>Mail Stop PG Pub</b><br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450<br>FAX: (571) 273-8300 | Application Number   |                             | 13/972,843              |
|                                                                                                                                                                                                                                                                                                                                                   | Filing Date          |                             | 08-21-2013              |
|                                                                                                                                                                                                                                                                                                                                                   | First Named Inventor |                             | David J. Leggett        |
|                                                                                                                                                                                                                                                                                                                                                   | Title                | SMS COMMUNICATION DURING... |                         |
|                                                                                                                                                                                                                                                                                                                                                   | Atty Docket Number   |                             | 058377-0423891          |
|                                                                                                                                                                                                                                                                                                                                                   | Art Unit             |                             | 2642                    |
|                                                                                                                                                                                                                                                                                                                                                   | Examiner             |                             | PEREZ GUTIERREZ, RAFAEL |

A request that the above-identified application not be published under 35 U.S.C. 122(b) (nonpublication request) was included with the above-identified application on filing pursuant to 35 U.S.C. 122(b)(2)(B)(i). I hereby **rescind** the previous nonpublication request.

If a notice of foreign or international filing is or will be required by 35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c), I hereby provide such notice. This notice is being provided no later than forty-five (**45**) days after the date of such foreign or international filing.

*If a notice of subsequent foreign or international filing required by 35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c) was not filed within forty-five (**45**) days after the date of filing of the foreign or international application, the application is ABANDONED, and a petition to revive under 37 CFR 1.137(b) is required. See 37 CFR 1.137(f).*

/D. Benjamin Esplin/

August 20, 2014

Signature

Date

D. Benjamin Esplin

58297

Typed or printed name

Registration Number, if applicable

858-847-4126

Telephone Number

**This request must be signed in compliance with 37 CFR 1.33(b).**

If information or assistance is needed in completing this form, please contact the Pre-Grant Publication Division at (703)605-4283 or by e-mail at [PGPub@USPTO.gov](mailto:PGPub@USPTO.gov).

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop PG Pub, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature

Name (Print/Type)

Date

This collection of information is required by 37 CFR 1.213(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop PG Pub, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

| Electronic Acknowledgement Receipt          |                                      |
|---------------------------------------------|--------------------------------------|
| <b>EFS ID:</b>                              | 19921525                             |
| <b>Application Number:</b>                  | 13972843                             |
| <b>International Application Number:</b>    |                                      |
| <b>Confirmation Number:</b>                 | 1075                                 |
| <b>Title of Invention:</b>                  | SMS COMMUNICATION DURING EMERGENCIES |
| <b>First Named Inventor/Applicant Name:</b> | David J. Leggett                     |
| <b>Customer Number:</b>                     | 909                                  |
| <b>Filer:</b>                               | D. Benjamin Esplin/Sandra Streams    |
| <b>Filer Authorized By:</b>                 | D. Benjamin Esplin                   |
| <b>Attorney Docket Number:</b>              | 058377-0423891                       |
| <b>Receipt Date:</b>                        | 20-AUG-2014                          |
| <b>Filing Date:</b>                         | 21-AUG-2013                          |
| <b>Time Stamp:</b>                          | 20:25:45                             |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)          |

### Payment information:

|                        |    |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

### File Listing:

| Document Number | Document Description                             | File Name   | File Size(Bytes)/<br>Message Digest                | Multi Part /.zip | Pages (if appl.) |
|-----------------|--------------------------------------------------|-------------|----------------------------------------------------|------------------|------------------|
| 1               | Rescind Nonpublication Request for Pre Grant Pub | Request.pdf | 259367<br>3559b67273e744e0c4a68156c766e001d5d93fb1 | no               | 2                |

### Warnings:

### Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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United States Patent and Trademark Office  
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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 13/972,843         | 08/21/2013            | David J. Leggett      | 058377-0423891         |

**CONFIRMATION NO. 1075**

909  
Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

**NONPUBLICATION RESCISSION  
LETTER**



\*OC000000070337021\*

Date Mailed: 08/26/2014

**Communication Regarding Rescission Of  
Nonpublication Request and/or Notice of Foreign Filing**

Applicant's rescission of the previously-filed nonpublication request and/or notice of foreign filing is acknowledged. The paper has been reflected in the Patent and Trademark Office's (USPTO's) computer records so that the earliest possible projected publication date can be assigned.

The projected publication date is 02/26/2015.

If applicant rescinded the nonpublication request before or on the date of "foreign filing,"<sup>1</sup> then no notice of foreign filing is required.

If applicant foreign filed the application after filing the above application and before filing the rescission, and the rescission did not also include a notice of foreign filing, then a notice of foreign filing (not merely a rescission) is required to be filed within 45 days of the date of foreign filing. See 35 U.S.C. § 122(b)(2)(B)(iii), and Clarification of the United States Patent and Trademark Office's Interpretation of the Provisions of 35 U.S.C. § 122(b)(2)(B)(iii)-(iv), 1272 Off. Gaz. Pat. Office 22 (July 1, 2003).

If a notice of foreign filing is required and is not filed within 45 days of the date of foreign filing, then the application becomes abandoned pursuant to 35 U.S.C. § 122(b)(2)(B)(iii). In this situation, applicant should either file a petition to revive or notify the Office that the application is abandoned. See 37 CFR 1.137(f). Any such petition to revive will be forwarded to the Office of Petitions for a decision. Note that the filing of the petition will not operate to stay any period of reply that may be running against the application.

Questions regarding petitions to revive should be directed to the Office of Petitions at (571) 272-3282.

<sup>1</sup> Note, for purpose of this notice, that "foreign filing" means "filing an application directed to the same invention in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing".

/ttran/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|                                                                                                     |                        |                         |            |  |
|-----------------------------------------------------------------------------------------------------|------------------------|-------------------------|------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                         | 13972843   |  |
|                                                                                                     | Filing Date            |                         | 2013-08-21 |  |
|                                                                                                     | First Named Inventor   | David J. Leggett et al. |            |  |
|                                                                                                     | Art Unit               | 2641                    |            |  |
|                                                                                                     | Examiner Name          | Zhang, Xiang            |            |  |
|                                                                                                     | Attorney Docket Number | 058377-0423891          |            |  |

| U.S. PATENTS                                                                                               |         |                    |                        |                  |                                                 |                                                                          | Remove |
|------------------------------------------------------------------------------------------------------------|---------|--------------------|------------------------|------------------|-------------------------------------------------|--------------------------------------------------------------------------|--------|
| Examiner Initial*                                                                                          | Cite No | Patent Number      | Kind Code <sup>1</sup> | Issue Date       | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |        |
|                                                                                                            | 1       |                    |                        |                  |                                                 |                                                                          |        |
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|                                                                                                            | 1       | 20100261492        | A1                     | 2010-10-14       | Salafia et al.                                  |                                                                          |        |
|                                                                                                            | 2       | 20120202447        | A1                     | 2012-08-09       | Edge et al.                                     |                                                                          |        |
|                                                                                                            | 3       | 20120027189        | A1                     | 2012-02-02       | Shaffer et al.                                  |                                                                          |        |
|                                                                                                            | 4       | 20110086607        | A1                     | 2011-04-14       | Wang et al.                                     |                                                                          |        |
|                                                                                                            | 5       | 20100174560        | A1                     | 2010-07-08       | Quan et al.                                     |                                                                          |        |
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|-----------------------------------------------------------------------------------------------------|------------------------|-------------------------|------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                         | 13972843   |  |
|                                                                                                     | Filing Date            |                         | 2013-08-21 |  |
|                                                                                                     | First Named Inventor   | David J. Leggett et al. |            |  |
|                                                                                                     | Art Unit               | 2641                    |            |  |
|                                                                                                     | Examiner Name          | Zhang, Xiang            |            |  |
|                                                                                                     | Attorney Docket Number | 058377-0423891          |            |  |

| Examiner Initial* | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> j | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup>           |
|-------------------|---------|--------------------------------------|-----------------------------|------------------------|------------------|-------------------------------------------------|--------------------------------------------------------------------------|--------------------------|
|                   | 1       |                                      |                             |                        |                  |                                                 |                                                                          | <input type="checkbox"/> |

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#### NON-PATENT LITERATURE DOCUMENTS

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| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>5</sup>           |
|--------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
|                    | 1       | PCT International Search Report and Written Opinion issued in corresponding PCT Application No. PCT/US2014/051952, mailed November 24, 2014.                                                                                                                    | <input type="checkbox"/> |

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#### EXAMINER SIGNATURE

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

|                                                                                                     |                        |                         |
|-----------------------------------------------------------------------------------------------------|------------------------|-------------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     | 13972843                |
|                                                                                                     | Filing Date            | 2013-08-21              |
|                                                                                                     | First Named Inventor   | David J. Leggett et al. |
|                                                                                                     | Art Unit               | 2641                    |
|                                                                                                     | Examiner Name          | Zhang, Xiang            |
|                                                                                                     | Attorney Docket Number | 058377-0423891          |

### CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☒ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

### SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                      |                     |            |
|------------|----------------------|---------------------|------------|
| Signature  | /D. Benjamin Esplin/ | Date (YYYY-MM-DD)   | 2015-02-19 |
| Name/Print | D. Benjamin Esplin   | Registration Number | 58,297     |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

# PCT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT AND  
THE WRITTEN OPINION OF THE INTERNATIONAL  
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>To:</b> D. BENJAMIN ESPLIN<br>PILLSBURY WINTHROP SHAW PITTMAN LLP<br>ATTENTION: DOCKETING DEPARTMENT<br>P.O. BOX 10500<br>MCLEAN, VA 22102 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|

|                                            |
|--------------------------------------------|
| Date of mailing<br><i>(day/month/year)</i> |
|--------------------------------------------|

|                                                       |
|-------------------------------------------------------|
| Applicant's or agent's file reference<br>58377-433803 |
|-------------------------------------------------------|

**FOR FURTHER ACTION**    See paragraphs 1 and 4 below

|                                                    |
|----------------------------------------------------|
| International application No.<br>PCT/US2014/051952 |
|----------------------------------------------------|

|                                                                     |
|---------------------------------------------------------------------|
| International filing date<br><i>(day/month/year)</i> 20 August 2014 |
|---------------------------------------------------------------------|

|                                    |
|------------------------------------|
| Applicant TRITECH SOFTWARE SYSTEMS |
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. <input checked="" type="checkbox"/> The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.</p> <p><b>Filing of amendments and statement under Article 19:</b><br/>         The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):</p> <p><b>When?</b> The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.</p> <p><b>How?</b> Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes<br/>         1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70</p> <p><b>For more detailed instructions, see <i>PCT Applicant's Guide</i>, International Phase, paragraphs 9.004 – 9.011.</b></p> <p>2. <input type="checkbox"/> The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.</p> <p>3. <input type="checkbox"/> <b>With regard to any protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:</b></p> <p style="margin-left: 20px;"> <input type="checkbox"/> the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.<br/> <input type="checkbox"/> no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.         </p> <p>4. <b>Reminders</b></p> <p>The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.</p> <p>Shortly after the expiration of <b>18 months from the priority date, the international application will be published</b> by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90<i>bis</i>.1 and 90<i>bis</i>.3).</p> <p>Within <b>19 months</b> from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase <b>until 30 months</b> from the priority date (in some Offices even later); otherwise, the applicant must, <b>within 20 months</b> from the priority date, perform the prescribed acts for <b>entry into the national phase</b> before those designated Offices. In respect of other designated Offices, the time limit of <b>30 months</b> (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see <a href="http://www.wipo.int/pct/en/texts/time_limits.html">www.wipo.int/pct/en/texts/time_limits.html</a> and the <i>PCT Applicant's Guide</i>, National Chapters.</p> <p>Within <b>19 months from the priority date, the applicant may request that a supplementary international search be carried out</b> by a different International Searching Authority that offers this service (Rule 45<i>bis</i>.1). The procedure for requesting supplementary international search is described in the <i>PCT Applicant's Guide</i>, International Phase, paragraphs 8.006-8.032.</p> |
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name and mailing address of the ISA/<br>Mail Stop PCT, Attn: ISA/US<br>Commissioner for Patents<br>P.O. Box 1450, Alexandria, Virginia 22313-1450<br>Facsimile No. 571-273-3201 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------|
| Authorized officer<br><br>Blaine R. Copenheaver<br><br>PCT Helpdesk: 571-272-4300<br>Telephone No. PCT OSP: 571-272-7774 |
|--------------------------------------------------------------------------------------------------------------------------|

Form PCT/ISA/220 (July 2014)

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>To:</b> D. BENJAMIN ESPLIN<br>PILLSBURY WINTHROP SHAW PITTMAN LLP<br>ATTENTION: DOCKETING DEPARTMENT<br>P.O. BOX 10500<br>MCLEAN, VA 22102 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|

## PCT

NOTIFICATION OF TRANSMITTAL OF  
 THE INTERNATIONAL SEARCH REPORT AND  
 THE WRITTEN OPINION OF THE INTERNATIONAL  
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

|                                                              |                                                                            |
|--------------------------------------------------------------|----------------------------------------------------------------------------|
| Applicant's or agent's file reference<br><b>58377-433803</b> | Date of mailing<br><i>(day/month/year)</i> <b>24 NOV 2014</b>              |
| International application No.<br><b>PCT/US2014/051952</b>    | International filing date<br><i>(day/month/year)</i> <b>20 August 2014</b> |
| Applicant <b>TRITECH SOFTWARE SYSTEMS</b>                    |                                                                            |

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.  
**Filing of amendments and statement under Article 19:**  
 The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):  
**When?** The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.  
**How?** Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes  
 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70  
**For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.**
2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3. ☐ **With regard to any protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:**  
☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.  
☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

### 4. Reminders

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see [www.wipo.int/pct/en/texts/time\\_limits.html](http://www.wipo.int/pct/en/texts/time_limits.html) and the *PCT Applicant's Guide*, National Chapters.

Within 19 months from the priority date, the applicant may request that a supplementary international search be carried out by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

|                                                                                                                                                                                 |                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Name and mailing address of the ISA/<br>Mail Stop PCT, Attn: ISA/US<br>Commissioner for Patents<br>P.O. Box 1450, Alexandria, Virginia 22313-1450<br>Facsimile No. 571-273-3201 | Authorized officer<br><br>Blaine R. Copenheaver<br><br>PCT Helpdesk: 571-272-4300<br>Telephone No. PCT OSP: 571-272-7774 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Form PCT/ISA/220 (July 2014)

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

|                                                       |                                                                                                      |                                                                      |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Applicant's or agent's file reference<br>58377-433803 | <b>FOR FURTHER ACTION</b><br><br>see Form PCT/ISA/220<br>as well as, where applicable, item 5 below. |                                                                      |
| International application No.<br>PCT/US2014/051952    | International filing date ( <i>day/month/year</i> )<br>20 August 2014                                | (Earliest) Priority Date ( <i>day/month/year</i> )<br>21 August 2013 |
| Applicant<br>TRITECH SOFTWARE SYSTEMS                 |                                                                                                      |                                                                      |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.  
☐ a translation of the international application into \_\_\_\_\_ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.  
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.  
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1  
☒ as suggested by the applicant.  
☐ as selected by this Authority, because the applicant failed to suggest a figure.  
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2014/051952

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC(8) - H04W 4/22 (2014.01)<br>CPC - H04M 3/5116 (2014.09)<br>According to International Patent Classification (IPC) or to both national classification and IPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC(8) - H04W 4/12, H04W 4/14, H04W 4/22 (2014.01)<br>USPC - 379/37, 45; 455/404.1, 466, 521<br>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br>CPC - H04M 3/5116; H04W 4/12, H04W 4/14, H04W 4/22, H04W 76/007 (2014.09) (keyword delimited)<br>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>Orbit, Google Patents, Google.<br>Search terms used: mobile, pda, emergency, 911, call center, PSAP, text, SMS, GUI, user interface, display, url, web, location, GPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                    |                                                                                                     |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |                                                                                                     |
| Category*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No.                                                                               |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US 2010/0261492 A1 (SALAFIA et al) 14 October 2010 (14.10.2010) entire document    | 1-7, 9-17, 19-21                                                                                    |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                    | 8, 18, 22 and 23                                                                                    |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US 2012/0202447 A1 (EDGE et al) 09 August 2012 (09.08.2012) entire document        | 8, 18, 22 and 23                                                                                    |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US 2012/0027189 A1 (SHAFFER et al) 02 February 2012 (02.02.2012) entire document   | 1-23                                                                                                |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US 2011/0086607 A1 (WANG et al) 14 April 2011 (14.04.2011) entire document         | 1-23                                                                                                |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US 2010/0174560 A1 (QUAN et al) 08 July 2010 (08.07.2010) entire document          | 1-23                                                                                                |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                    |                                                                                                     |
| * Special categories of cited documents:<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"E" earlier application or patent but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed<br>"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>"&" document member of the same patent family |                                                                                    |                                                                                                     |
| Date of the actual completion of the international search<br>27 October 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                    | Date of mailing of the international search report<br><b>24 NOV 2014</b>                            |
| Name and mailing address of the ISA/US<br>Mail Stop PCT, Attn: ISA/US, Commissioner for Patents<br>P.O. Box 1450, Alexandria, Virginia 22313-1450<br>Facsimile No. 571-273-3201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    | Authorized officer:<br>Blaine R. Copenheaver<br>PCT Helpdesk: 571-272-4300<br>PCT OSP: 571-272-7774 |

Form PCT/ISA/210 (second sheet) (July 2009)

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To: D. BENJAMIN ESPLIN  
PILLSBURY WINTHROP SHAW PITTMAN LLP  
ATTENTION: DOCKETING DEPARTMENT  
P.O. BOX 10500  
MCLEAN, VA 22102

# PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43*bis*.1)

Date of mailing  
(day/month/year)

**24 NOV 2014**

Applicant's or agent's file reference  
**58377-433803**

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.

**PCT/US2014/051952**

International filing date (day/month/year)

**20 August 2014**

Priority date (day/month/year)

**21 August 2013**

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - H04W 4/22 (2014.01)

CPC - H04M 3/5116 (2014.09)

Applicant **TRITECH SOFTWARE SYSTEMS**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 *bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US  
Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450, Alexandria, Virginia 22313-1450  
Facsimile No. 571-273-3201

Date of completion of this opinion

**27 October 2014**

Authorized officer:

**Blaine R. Copenheaver**

PCT Helpdesk: 571-272-4300  
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/051952

**Box No. I      Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of:  
☒ the international application in the language in which it was filed.  
☐ a translation of the international application into \_\_\_\_\_ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
  - a. (means)  
☐ on paper  
☐ in electronic form
  - b. (time)  
☐ in the international application as filed  
☐ together with the international application in electronic form  
☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/051952

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

|                               |        |                     |     |
|-------------------------------|--------|---------------------|-----|
| Novelty (N)                   | Claims | 8, 18, 22 and 23    | YES |
|                               | Claims | 1-7, 9-17 and 19-21 | NO  |
| Inventive step (IS)           | Claims | None                | YES |
|                               | Claims | 1-23                | NO  |
| Industrial applicability (IA) | Claims | 1-23                | YES |
|                               | Claims | None                | NO  |

**2. Citations and explanations:**

Claims 1-7, 9-17 and 19-21 lack novelty under PCT Article 33(2) as being anticipated by Salafia et al (hereinafter referred to as Salafia).

Regarding claim 1, Salafia disclose a system configured to provide, to emergency operators, communication through textual messages, (providing emergency operators [call handlers within a public safety answering point (PSAP)] the ability to communicate using textual messages, para. 0062-0063), the system comprising: one or more processors configured to execute computer program modules, (a processor for executing program modules such as call handling, para. 0010 and 0020-0021), the computer program modules comprising: a call reception module configured to receive incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call placed from a first wireless mobile device; (an emergency call center [PSAP] receiving an incoming emergency voice call through cellular and PSTN networks from a wireless mobile device [cell phone], para. 0064-0066), an outgoing message module configured to generate outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call; (the PSAP call handler generating an outgoing textual message for transmission to the cell phone from which the incoming emergency voice call was received, para. 0069-0071), and a transmission module configured to transmit the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network, (the PSAP call handler transmitting the outgoing textual message to the cell phone through an Internet network that is different than the previously used networks, para. 0072-0073).

Regarding claim 11, Salafia disclose a computer-implemented method for providing, to emergency operators, communication through textual messages, (providing emergency operators [call handlers within a PSAP] the ability to communicate using textual messages, para. 0062-0063), the method being performed by one or more processors configured to execute computer program modules, (a processor for executing program modules such as call handling, para. 0010 and 0020-0021), the method comprising: receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call from a first wireless mobile device; (an emergency call center [PSAP] receiving an incoming emergency voice call through cellular and PSTN networks from a wireless mobile device [cell phone], para. 0064-0066), generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call; (the PSAP call handler generating an outgoing textual message for transmission to the cell phone from which the incoming emergency voice call was received, para. 0069-0071), and transmitting the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network, (the PSAP call handler transmitting the outgoing textual message to the cell phone through an Internet network that is different than the previously used networks, para. 0072-0073).

Regarding claims 2 and 12, Salafia further disclose a presentation module configured to present incoming emergency voice calls to emergency operators through a user interface, (a terminal presenting a visual display of incoming emergency voice call data to call handlers, para. 0066), wherein the user interface includes a set of user-selectable options, (the PSAP call handler selects from options (forms, a button, or templates) on the display, para. 0068-0069), and wherein the presentation module is further configured to receive user input from emergency operators to select one or more of the set of user-selectable options, (the display receives a selection from the call handler to selects from one of the options on the display, para. 0070).

Regarding claims 3 and 13, Salafia further disclose wherein the set of user-selectable options correspond to different informational requests associated with the incoming emergency calls such that the first voice call is associated with a first informational request, (the PSAP call handler may request different information associated with the emergency voice call such as request for caller location and images relating to the emergency, para. 0069), and wherein the first informational request is included in the first outgoing textual message, (the request is included in the outgoing textual message, para. 0070).

Regarding claims 4 and 14, Salafia further disclose wherein the first informational request includes emergency instructions, (the request for information includes emergency instructions, para. 0023-0024 and 0072-0073).

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/051952

**Supplemental Box**

**In case the space in any of the preceding boxes is not sufficient.**  
Continuation of:

Regarding claims 5 and 15, Salafia further disclose wherein the first outgoing textual message includes a link to emergency instructions, (the outgoing textual message includes a link [Uniform Resource Locators (URLs)] to instructions on how to handle a situation, para. 0010-0011 and 0120).

Regarding claims 6 and 16, Salafia further disclose wherein the outgoing textual messages include one or both of short message service (SMS) messages and/or multimedia messaging service (MMS) messages, (the outgoing textual messages include MMS messages, para. 0008 and 0130).

Regarding claims 7 and 17, Salafia further disclose a web-hosting module configured to host web resources configured to: (i) query wireless mobile devices for location information, (requesting location information from the cell phone over an Internet network, para. 0056, 0069 and 0073), and (ii) share, responsive to receipt of location information, received location information with the presentation module, (the received location information is displayed to the PSAP call handler, para. 0066 and 0076-0077), wherein the first outgoing textual message includes a uniform resource locator (URL) link to the web resources, (the outgoing textual message includes a URL [a web address which links to web resources], para. 0011 and 0119-0120), wherein the presentation module is further configured to present shared queried location information to emergency operators through the user interface, (the PSAP call handlers view the displayed location information via the user interface [workstation terminal], para. 0061 and 0066).

Regarding claims 9 and 19, Salafia further disclose wherein the transmission module is further configured to receive textual messages from wireless mobile devices through the second communications network, (the cell phone transmits textual messages to the PSAP via the Internet, the second network, para. 0062).

Regarding claims 10 and 20, Salafia further disclose wherein the presentation module is further configured to present received textual messages through the user interface, (textual messages are displayed via the user interface [workstation terminal], para. 0066 and 0077).

Regarding claim 21, Salafia disclose a computer-implemented method for providing, to emergency operators, communication through textual messages, (providing emergency operators [call handlers within a public safety answering point (PSAP)] the ability to communicate using textual messages, para. 0062-0063), the method being performed by one or more processors configured to execute computer program modules, (a processor for executing program modules such as call handling, para. 0010 and 0020-0021), the method comprising: receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call from a first wireless mobile device; (an emergency call center [PSAP] receiving an incoming emergency voice call through cellular and PSTN networks from a wireless mobile device [cell phone], para. 0064-0066), generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call, (the PSAP call handler generating an outgoing textual message for transmission to the cell phone from which the incoming emergency voice call was received, para. 0069-0071), wherein the first outgoing textual message includes textual emergency instructions; (the outgoing textual message includes emergency instructions, para. 0023-0024, 0029 and 0072-0073), and transmitting the outgoing textual messages to the appropriate wireless mobile devices such that the first outgoing textual message is transmitted to the first wireless mobile device, (the PSAP call handler transmitting the outgoing textual message to the cell phone that originated the emergency call, para. 0072-0073).

Claims 8, 18, 22 and 23 lack an inventive step under PCT Article 33(3) as being obvious over Salafia in view of Edge et al (hereinafter referred to as Edge).

Regarding claims 8 and 18, Salafia disclose the invention above but does not specifically disclose the web resources is configured to query wireless mobile devices for location information through an application programming interface (API) function that accesses one or both of global positioning system (GPS) information and/or geolocation information.  
Edge is in the field of supporting location privacy via provisioning of a location Uniform Resource Identifier (URI) (para. 0003) and teach wherein the web resources is configured to query wireless mobile devices for location information through an application programming interface (API) function that accesses one or both of global positioning system (GPS) information and/or geolocation information, (querying a cell phone for its location information using an API [a Secure User Plane Location (SUPL) used by a Location Platform (SLP)] to access GPS information, para. 0028 and 0039). It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the location information as taught in Edge with the invention of Salafia in order to improve the handling of location privacy. (see Edge, para. 0029).

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/US2014/051952

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.  
Continuation of:

Regarding claim 22, Salafia disclose a computer-implemented method for providing, to emergency operators, communication through textual messages, (providing emergency operators [call handlers within a public safety answering point (PSAP)] the ability to communicate using textual messages, para. 0062-0063), the method being performed by one or more processors configured to execute computer program modules, (a processor for executing program modules such as call handling, para. 0010 and 0020-0021), the method comprising: receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call from a first wireless mobile device; (an emergency call center [PSAP] receiving an incoming emergency voice call through cellular and PSTN networks from a wireless mobile device [cell phone], para. 0064-0066), generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call, (the PSAP call handler generating an outgoing textual message for transmission to the cell phone from which the incoming emergency voice call was received, para. 0069-0071), wherein the first outgoing textual message includes a uniform resource locator (URL) link to a web-hosted application, (the outgoing textual message includes a URL [a web address which links to web resources], para. 0011 and 0118-0120), transmitting the outgoing textual messages to the appropriate wireless mobile devices such that the first outgoing textual message is transmitted to the first wireless mobile device; (the PSAP call handler transmitting the outgoing textual message to the cell phone that originated the emergency call, para. 0072-0073).

Salafia disclose the invention above but does not specifically disclose querying the first wireless mobile device for location information and obtaining, responsive to the first wireless mobile device being queried, the location information. However, Edge teach a (URL) link to a web hosted application configured to query the first wireless mobile device for location information, (a URI [a common form of URL] link to an application configured to query to the mobile device [SET] for location information 220, Fig. 2A, para. 0039 and 0049-0050), and obtaining, responsive to the first wireless mobile device being queried, the location information, (obtaining the location information 230 from the queried SET, para. 0050). It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the location information as taught in Edge with the invention of Salafia in order to improve the handling of location privacy. (see Edge, para. 0029).

Regarding claim 23, Salafia disclose a computer-implemented method for providing location information to emergency operators, (providing location information to emergency operators [call handlers], para. 0005), the method being performed by one or more processors configured to execute computer program modules, (a processor for executing program modules such as call handling, para. 0010 and 0020-0021), the method comprising: hosting web resources that is accessible through a uniform resource locator (URL) address; (the PSAP includes an incident linked multimedia system [ILMS] which has web hosting capabilities accessible through a URL address, para. 0118-0120 and 0127), receiving a request from a wireless mobile device; (receiving a request for emergency services from a wireless device [cell phone], para. 0065-0066), receiving an identifier associated with the request; (receiving an identifier [telephone number of the caller] associated with the request, para. 0066), transmitting a response to the wireless mobile device, (the PSAP call handler transmitting a response to the cell phone caller, para. 0073), wherein the response includes a query for location information, (requesting location information from the cell phone, para. 0056 and 0069).

Salafia disclose the invention above but does not specifically disclose receiving, from the wireless mobile device, the queried location information and providing the queried location information and the received identifier to one or more emergency operators. However, Edge teach receiving, from the wireless mobile device, the queried location information, (receiving from the mobile device [SET] queried location information 220, Fig. 2A and para. 0039 and 0049-0050), and providing the queried location information and the received identifier to one or more emergency operators, (providing the queried location information and the received identifier [URI] to emergency operators [external client], para. 0049-0050 and 0079). It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the location information as taught in Edge with the invention of Salafia in order to improve the handling of location privacy. (see Edge, para. 0029).

Claims 1-23 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

| Electronic Acknowledgement Receipt   |                                      |
|--------------------------------------|--------------------------------------|
| EFS ID:                              | 21549231                             |
| Application Number:                  | 13972843                             |
| International Application Number:    |                                      |
| Confirmation Number:                 | 1075                                 |
| Title of Invention:                  | SMS COMMUNICATION DURING EMERGENCIES |
| First Named Inventor/Applicant Name: | David J. Leggett                     |
| Customer Number:                     | 909                                  |
| Filer:                               | D. Benjamin Esplin/Jennifer Dolan    |
| Filer Authorized By:                 | D. Benjamin Esplin                   |
| Attorney Docket Number:              | 058377-0423891                       |
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| Time Stamp:                          | 20:43:39                             |
| Application Type:                    | Utility under 35 USC 111(a)          |

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### File Listing:

| Document Number | Document Description                               | File Name                           | File Size(Bytes)/<br>Message Digest                | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------------------------------------|-------------------------------------|----------------------------------------------------|------------------|------------------|
| 1               | Information Disclosure Statement (IDS) Form (SB08) | 058377-0423891_Supplemental IDS.pdf | 612569<br>175d922b36cb97cc0c3a55b1704b312bbe9ec152 | no               | 4                |

### Warnings:

### Information:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                        |                                                   |         |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|---------------------------------------------------|---------|---|
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Non Patent Literature | 058377-0423891_npl.pdf | 669033<br>d402c0af1f40b4c651c12be7fa53fa2c313f5c2 | no      | 9 |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |                        |                                                   |         |   |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |                        |                                                   |         |   |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |                        |                                                   | 1281602 |   |
| <p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                       |                        |                                                   |         |   |



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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 13/972,843         | 08/21/2013            | David J. Leggett      | 058377-0423891         |

**CONFIRMATION NO. 1075**

909

Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

## PUBLICATION NOTICE



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**Title:**SMS COMMUNICATION DURING EMERGENCIES

**Publication No.**US-2015-0056946-A1

**Publication Date:**02/26/2015

## NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at [www.uspto.gov](http://www.uspto.gov). The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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| APPLICATION NO.                           | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-------------------------------------------|-------------|----------------------|---------------------|------------------|
| 13/972,843                                | 08/21/2013  | David J. Leggett     | 058377-0423891      | 1075             |
| 909                                       | 7590        | 06/11/2015           | EXAMINER            |                  |
| Pillsbury Winthrop Shaw Pittman, LLP (NV) |             |                      | ZHANG, XIANG        |                  |
| PO Box 10500                              |             |                      | ART UNIT            | PAPER NUMBER     |
| McLean, VA 22102                          |             |                      | 2641                |                  |
|                                           |             |                      | NOTIFICATION DATE   | DELIVERY MODE    |
|                                           |             |                      | 06/11/2015          | ELECTRONIC       |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docket\_ip@pillsburylaw.com  
heather.marthers@pillsburylaw.com

|                              |                                      |                                       |                                                   |
|------------------------------|--------------------------------------|---------------------------------------|---------------------------------------------------|
| <b>Office Action Summary</b> | <b>Application No.</b><br>13/972,843 | <b>Applicant(s)</b><br>LEGGETT ET AL. |                                                   |
|                              | <b>Examiner</b><br>EDWARD ZHANG      | <b>Art Unit</b><br>2641               | <b>AIA (First Inventor to File) Status</b><br>Yes |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08/21/2013.  
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims\***

- 5) ☒ Claim(s) 1-23 is/are pending in the application.  
5a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 6) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 7) ☒ Claim(s) 1-6,9-16 and 19-23 is/are rejected.
- 8) ☒ Claim(s) 7,8,17 and 18 is/are objected to.
- 9) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

\* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see [http://www.uspto.gov/patents/init\\_events/pph/index.jsp](http://www.uspto.gov/patents/init_events/pph/index.jsp) or send an inquiry to [PPHfeedback@uspto.gov](mailto:PPHfeedback@uspto.gov).

**Application Papers**

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 08/21/2013 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

**Certified copies:**

- a) ☐ All    b) ☐ Some\*\*    c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)  
Paper No(s)/Mail Date 08/21/2013, 02/19/2015
- 3) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 4) ☐ Other: \_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 1, 6, 11, 16 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Salafia (US PGPub 2010/0261492 A1).

Regarding claim 1, Salafia teaches a system configured to provide, to emergency operators (“call handler 104...emergency situation”, [0067], also see “operators, call handlers”, [0095]), communication through textual messages (“electronic messages and the additional information in the form of a textual message or visual message”, [0067]), the system comprising: one or more processors configured to execute computer program modules (“processor module”, [0021]), the computer program modules

comprising: a call reception module (“telephonic interface”, [0037]) configured to receive incoming emergency voice calls (“the audio communication may be an emergency related”, [0016]) being placed to an emergency call center (“audio communication between at least one call handler”, [0016] wherein the call handler of the emergency related voice communication is communicated to an emergency call center or call handler) through an emergency communications network (“the call may be received over a telephone network, such as the PSTN, and may be emergency related”, [0023], also see “The PSAP 212 is typically a local facility responsible for answering 911 calls and forwarding related information to emergency service providers 106. The PSAP 212 may contain multiple call handler workstations such as call handler workstation 202. The call handler workstation 202 may contain a phone 204 for audio communications with the call handler 104 and a terminal 206”, [0059] wherein the emergency communications network herein comprises PSAP, emergency service providers 106 and the call handler) from wireless mobile devices (“it may be able to manage a rapid increase in the volume of private and public (for example 911, 311, etc. messages originating from communications devices and may be able to manage any different data format, for example any of the different text, audio, image or video data formats described above or otherwise available”, [0136]), the incoming emergency voice calls including a first voice call placed from a first wireless mobile device (“receiving a call from a caller”, [0027] wherein the caller or the first wireless mobile device places a call); an outgoing message module (“a graphical user interface usable to generate an electronic mail message”, [0043]) configured to generate outgoing textual messages for

transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call ("the caller 102 to receive the electronic mail from the call handler 104", [0073]); and a transmission module ("outgoing electronic message processor 214 may packetize the outgoing message for delivery", [0073]) configured to transmit the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network ("delivery over the internet 226 to the caller", [0073] wherein the second communication network is the internet which is different than the first communication network which is the PSTN network or telephone network).

Regarding claims 6 and 16, Salafia further teaches the system and the method of claims 1 and 11, wherein the outgoing textual messages include a multimedia messaging service (MMS) messages ([0133], lines 1-2).

Regarding claim 11, Salafia teaches a computer-implemented method for providing, to emergency operators("call handler 104...emergency situation", [0067], also see "operators, call handlers", [0095]), communication through textual messages ("electronic messages and the additional information in the form of a textual message or visual message", [0067]), the method being performed by one or more processors configured to execute computer program modules, the method comprising: receiving

incoming emergency voice calls (“the audio communication may be an emergency related”, [0016]) being placed to an emergency call center (“audio communication between at least one call handler”, [0016] wherein the call handler of the emergency related voice communication is communicated to an emergency call center or call handler) through an emergency communications network (“the call may be received over a telephone network, such as the PSTN, and may be emergency related”, [0023]) through an emergency communications network from wireless mobile devices (“it may be able to manage a rapid increase in the volume of private and public (for example 911, 311, etc. messages originating from communications devices and may be able to manage any different data format, for example any of the different text, audio, image or video data formats described above or otherwise available”, [0136]), the incoming emergency voice calls including a first voice call from a first wireless mobile device (“receiving a call from a caller”, [0027] wherein the caller or the first wireless mobile device places a call); generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call (“receiving a call from a caller, sending an electronic mail message to the caller”, [0027]); and transmitting the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network (“delivery over the internet 226 to the caller”, [0073] wherein

the second communication network or the internet is different than the first communication network which is the PSTN network or telephone network").

***Claim Rejections - 35 USC § 103***

5. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

6. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 2-4, 9, 10, 12-14, 19-21 are rejected under 35 U.S.C. 103 as being unpatentable over Salafia (US PGPub 2010/0261492 A1) in view of Ray (US PGPub 2010/0220840 A1).

Regarding claims 2, 12, Salafia teaches the system and the method of claims 1 and 11. However, Salafia lacks the teaching further comprising: a presentation module configured to present incoming emergency voice calls to emergency operators through a user interface, wherein the user interface includes a set of user-selectable options,

and wherein the presentation module is further configured to receive user input from emergency operators to select one or more of the set of user-selectable options.

On the same field of endeavor, Ray teaches a presentation module (“TTY 400”, [0018]) configured to present incoming emergency voice calls (“during an emergency telephone call”, [0018]) to emergency operators (“PSAP operator during an emergency telephone call”, [0018]) through a user interface (“processing unit 402 that includes one or more computer processors that executes software 403...the software 403 may be configured to prompt a user to enter information, [0018] wherein it is understood that the processing unit integrates with the software which works as user interface to allow the user to enter the information), wherein the user interface includes a set of user-selectable options (“a presentation module configured to present incoming emergency voice calls to emergency operators through a user interface, wherein the user interface includes a set of user-selectable options, and wherein the presentation module is further configured to receive user input from emergency operators to select one or more of the set of user-selectable options”, [0018]), and wherein the presentation module is further configured to receive user input from emergency operators to select one or more of the set of user-selectable options (“The TTY or PSAP operator station 400 may include a processing unit 402”, [0018], also see “The user interface 414 may be a keyboard and/or touch screen that a user may utilize to generate and communicate emergency messages. In one embodiment, the user interface 414 may include one or more hard-buttons that a user may select to generate a pre-stored emergency message

from among one or more pre-stored emergency messages based on the particular emergency situation that he or she is facing”, [0020]).

It would have been obvious for one having ordinary skill in the art before the effective filing date to combine the teaching of Ray with the teaching of Salafia in order to enable the user to select to generate a pre-stored emergency message from among one or more pre-stored emergency messages based on the particular emergency situation that he or she is facing as suggested by Ray ([0020]).

Regarding claims 3 and 13, Salafia in view of Ray teaches the system and the method of claims 2 and 12, wherein the set of user-selectable options correspond to different informational requests associated with the incoming emergency calls such that the first voice call is associated with a first informational request, and wherein the first informational request is included in the first outgoing textual message (Ray, “By utilizing pre-stored emergency messages, an emergency caller and PSAP operator may more quickly communicate information associated with the emergency situation and request information associated with the emergency situation. By providing a user with the ability to quickly communicate information using pre-stored emergency messages (in the case of an emergency caller) or pre-stored messages (in the case of a PSAP operator”, [0020]).

Regarding claims 4 and 14, Salafia in view of Ray teaches the system and the method of claims 3 and 13, wherein the first informational request includes emergency instructions (Ray, “multiple messages are stored for a PSAP operator to access. The

messages may me questions to retrieve additional information or give instructions to the emergency caller”, [0024] wherein the emergency instruction to the caller needs to be requested in order to access and/or retrieve).

Regarding claims 9 and 19, Salafia further teaches the system and the method of claims 2 and 12, wherein the transmission module is further configured to receive textual messages from wireless mobile devices through the second communications network (“delivery over the internet 226 to the caller”, [0073] wherein the second communication network or the internet is different than the first communication network which is the PSTN network or telephone network”).

Regarding claims 10 and 20, Salafia in view of Ray further teaches the system and the method of claims 9 and 19, wherein the presentation module is further configured to present received textual messages through the user interface (Ray, “user interface 414 may be a keyboard and/or touch screen that a user may utilize to generate and communicate emergency messages”, [0020]).

Regarding claim 21, Salafia teaches a computer-implemented method for providing, to emergency operators(“call handler 104...emergency situation”, [0067], also see “operators, call handlers”, [0095]), communication through textual messages (“electronic messages and the additional information in the form of a textual message or visual message”, [0067]), the method being performed by one or more processors configured to execute computer program modules, the method comprising: receiving incoming emergency voice calls (“the audio communication may be an emergency

related", [0016]) being placed to an emergency call center ("audio communication between at least one call handler", [0016] wherein the call handler of the emergency related voice communication is communicated to an emergency call center or call handler) through an emergency communications network ("the call may be received over a telephone network, such as the PSTN, and may be emergency related", [0023]) through an emergency communications network from wireless mobile devices ("it may be able to manage a rapid increase in the volume of private and public (for example 911, 311, etc. messages originating from communications devices and may be able to manage any different data format, for example any of the different text, audio, image or video data formats described above or otherwise available", [0136]), the incoming emergency voice calls including a first voice call from a first wireless mobile device ("receiving a call from a caller", [0027] wherein the caller or the first wireless mobile device places a call); generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call ("receiving a call from a caller, sending an electronic mail message to the caller", [0027]); and transmitting the outgoing textual messages to the appropriate wireless mobile devices such that the first outgoing textual message is transmitted to the first wireless mobile device ("receiving a call from a caller, sending an electronic mail message to the caller", [0027]).

However, Salafia lacks the teaching wherein the first outgoing textual message includes textual emergency instructions.

In the same field of endeavor, Ray teaches the method wherein the first outgoing textual message includes textual emergency instructions (“multiple messages are stored for a PSAP operator to access. The messages may me questions to retrieve additional information or give instructions to the emergency caller”, [0024] wherein the emergency instruction to the caller needs to be requested in order to access and/or retrieve).

It would have been obvious for one having ordinary skill in the art before the effective filing date to combine the teaching of Ray with the teaching of Salafia in order to utilize the PSAP operator with the emergency instructions since the operator may be more efficient to provide assistance to an emergency caller as suggested by Ray ([0024], lines 19-21).

8. Claims 5, 15 are rejected under 35 U.S.C. 103 as being unpatentable over Salafia (US PGPub 2010/0261492 A1) in view of Bhagwat (US PGPub 2014/0007158 A1).

Regarding claims 5 and 15, Salafia teaches the system and the method of claims 1 and 11. However, Salafia lacks the teaching wherein the first outgoing textual message includes a link to emergency instructions.

In the same field of endeavor, Bhagwat teaches wherein the first outgoing textual message includes a link to emergency instructions (“a URL to the emergency alert text message”, [0021] wherein the emergency alert text message comprises instructions of the emergency alert).

It would have been obvious for one having ordinary skill in the art before the effective filing date to combine the teaching of Ray with the teaching of Salafia in order to disseminate the notification instruction via web link format.

9. Claim 22 is rejected under 35 U.S.C. 103 as being unpatentable over Salafia (US PGPub 2010/0261492 A1) in view of Kawai (JP 2006/235842).

Regarding claim 22, Salafia teaches a computer-implemented method for providing, to emergency operators, communication through textual messages, the method being performed by one or more processors configured to execute computer program modules, the method comprising receiving incoming emergency voice calls (“the audio communication may be an emergency related”, [0016]) being placed to an emergency call center (“audio communication between at least one call handler”, [0016] wherein the call handler of the emergency related voice communication is communicated to an emergency call center or call handler) through an emergency communications network (“the call may be received over a telephone network, such as the PSTN, and may be emergency related”, [0023]) from wireless mobile devices (“it may be able to manage a rapid increase in the volume of private and public (for example 911, 311, etc. messages originating from communications devices and may be able to manage any different data format, for example any of the different text, audio, image or video data formats described above or otherwise available”, [0136]), the incoming emergency voice calls including a first voice call placed from a first wireless mobile device (“receiving a call from a caller”, [0027] wherein the caller or the first

wireless mobile device places a call); generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call ("the caller 102 to receive the electronic mail from the call handler 104", [0073]); and obtaining, responsive to the first wireless mobile device being queried, the location information ([0125]).

However, Salafia lacks the teaching wherein the first outgoing textual message includes a uniform resource locator (URL) link to a web-hosted application configured to query the first wireless mobile device for location information.

In the same field of endeavor, Kawai teaches the computer-implemented method wherein the first outgoing textual message includes a uniform resource locator (URL) link to a web-hosted application configured to query the first wireless mobile device for location information (abstract).

It would have been obvious for one having ordinary skill in the art before the effective filing date to combine the teaching of Kawai with the teaching of Salafia, as modified by the teaching of Ray in order to provide localization shortcut in the case of emergency.

***Allowable Subject Matter***

10. Claims 7, 8, 17, and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to XIANG ZHANG whose telephone number is (571)270-7693. The examiner can normally be reached on Monday-Thursday, 8AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah, can be reached on (571)272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/XIANG ZHANG/  
Patent Examiner, Art Unit 2641

/CHARLES APPIAH/  
Supervisory Patent Examiner, Art Unit 2641

/MAZDA SABOURI/  
Primary Examiner, Art Unit 2641

|                                   |                                       |                                                              |             |
|-----------------------------------|---------------------------------------|--------------------------------------------------------------|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>13/972,843 | Applicant(s)/Patent Under<br>Reexamination<br>LEGGETT ET AL. |             |
|                                   | Examiner<br>EDWARD ZHANG              | Art Unit<br>2641                                             | Page 1 of 1 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name            | Classification |
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| * | A | US-2010/0220840 A1                               | 09-2010         | RAY et al.      | 379/37         |
| * | B | US-2010/0261492 A1                               | 10-2010         | Salafia et al.  | 455/466        |
| * | C | US-2011/0111726 A1                               | 05-2011         | Kholaiif et al. | 455/404.2      |
| * | D | US-2014/0007158 A1                               | 01-2014         | Bhagwat, Amol   | 725/33         |
|   | E | US-                                              |                 |                 |                |
|   | F | US-                                              |                 |                 |                |
|   | G | US-                                              |                 |                 |                |
|   | H | US-                                              |                 |                 |                |
|   | I | US-                                              |                 |                 |                |
|   | J | US-                                              |                 |                 |                |
|   | K | US-                                              |                 |                 |                |
|   | L | US-                                              |                 |                 |                |
|   | M | US-                                              |                 |                 |                |

**FOREIGN PATENT DOCUMENTS**

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|   | O |                                                  |                 |         |      |                |
|   | P |                                                  |                 |         |      |                |
|   | Q |                                                  |                 |         |      |                |
|   | R |                                                  |                 |         |      |                |
|   | S |                                                  |                 |         |      |                |
|   | T |                                                  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|-------------------------------------------------------------------------------------------|
|   | U |                                                                                           |
|   | V |                                                                                           |
|   | W |                                                                                           |
|   | X |                                                                                           |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



## 【特許請求の範囲】

## 【請求項 1】

緊急情報管理装置と、位置測位機能付携帯電話機を含む移動体ネットワークと、前記緊急情報管理装置と前記移動体ネットワークとを接続するインターネットならびにインターネットに接続する利用者コンピュータとを備える緊急情報提供システムであって、

緊急情報管理装置が、

気象庁などの警報発令機関が洪水や高潮、津波などの警報を発布したときにその警報内容に応じて、地図データベースから衛星画像をベースにして地形情報、地域情報を重ね合わせたコンテンツを作成し、そのコンテンツに前記警報発令機関から入手した洪水や高潮、津波などによる災害地域や緊急避難場所情報を付加したURLコンテンツを作成する手段と、作成したURLコンテンツを前記位置測位機能付携帯電話機および前記利用者コンピュータに送信する手段とを備えることを特徴とする緊急情報提供システム。

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## 【発明の詳細な説明】

## 【技術分野】

## 【0001】

本発明は、洪水や高潮、津波などの警報情報をインターネットや移動体ネットワークを介して位置測位機能付携帯電話機や利用者のコンピュータのユーザに提供する緊急情報提供システムに関する。

## 【背景技術】

## 【0002】

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従来、洪水／高潮／津波発生時の避難方法は、事前に自治体等から広報紙などで配布されているが、実際に洪水／高潮／津波が発生したときに居る場所によってその広報紙を見ることができないケースが多い。

また、災害の状況によっては事前に計画された避難場所が代わる可能性も高く、最新の情報を入手する手段が難しかった。

また、洪水／高潮／津波警報が実際に発令された場合、避難等の連絡手段は周辺地域に張り巡らされたサイレンや放送設備を利用して伝達したり、警察署、消防署の職員等による巡回、電話連絡で行われる。

これらの方法では、情報の正確性、迅速性が不十分であり、さらに情報内容が画一的なため災害地点によっては緊急度も十分に伝わらず、災害地域内の人それぞれに必要な個別の情報を得る手段がなかった。

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警報情報提供システムとしては、緊急通報システム及び緊急通報装置として下記の特許文献1に開示されたものがある。

【特許文献1】特開2003-87436号公報

## 【発明の開示】

## 【発明が解決しようとする課題】

## 【0003】

しかしながら、前記特許文献1に記載のものは、緊急状態を発見あるいは発生した利用者が緊急連絡を消防署や病院などの機関に通報するシステムであり、洪水や高潮、津波などの警報を住民等に正確かつ迅速に通知する手段を持っていない。その点で、気象庁などから発令されている警報内容を入力できない環境にいる人々にとっては迅速に避難場所への移動ができずに被害者になってしまう可能性がある。

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また、災害が発生したときに警報内容によって、どの地域が被災地域となり、どの地域に避難すればよいのかの情報を事前に入手しておくことも重要であるが、一意的な情報しかなく、大津波が5m、6mのときなど状況に応じてシミュレーションすることは不可能であった。

## 【0004】

本発明の目的は、気象庁などの警報発令機関が発令された警報内容に伴い、その警報による地域への影響を地域の住民等に正確かつ迅速に通知することができる緊急情報提供システムを提供することにある。

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**【課題を解決するための手段】****【0005】**

上記目的を達成するために、本発明は、緊急情報管理装置と、位置測位機能付携帯電話機を含む移動体ネットワークと、前記緊急情報管理装置と前記移動体ネットワークとを接続するインターネットならびにインターネットに接続する利用者コンピュータとを備える警報情報提供システムであって、緊急情報管理装置が、気象庁などの警報発令機関が洪水や高潮、津波などの警報を発布したときにその警報内容に応じて、地図データベースから衛星画像をベースにして地形情報、地域情報を重ね合わせたコンテンツを作成し、そのコンテンツに前記警報発令機関から入手した洪水や高潮、津波などによる災害地域や緊急避難場所情報を付加したURLコンテンツを作成する手段と、作成したURLコンテンツを前記位置測位機能付携帯電話機および前記利用者コンピュータに送信する手段とを備えることを特徴とする。

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**【発明の効果】****【0006】**

本発明によれば、気象庁などから発布されている警報内容入手できない環境にいる人々に洪水や高潮、津波などの警報を住民等に正確かつ迅速に通知することが可能となり、危険区域における災害からの被災を回避できる。

また、事前に、災害が発生したときに警報内容によってどの地域が被災地域となり、どの地域に避難すればよいのかの情報をシミュレーションし、そのシミュレーション情報を入手できることから、発生した災害に応じた避難方法を行うことが可能となる。

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**【発明を実施するための最良の形態】****【0007】**

以下、本発明を実施する場合の一形態を図面を参照して具体的に説明する。

図1は、本発明の実施の一形態の衛星画像を利用した緊急情報提供システムの概念図である。

本発明に係る緊急情報提供システムでは、緊急情報管理システムS1とインターネットN1と移動体ネットワークN2と利用者コンピュータU1と位置測位機能付携帯電話機U2で構成される。

緊急情報管理システムS1は、コンテンツ情報S7を管理する機能を有するコンテンツサーバS2、Webコンテンツを提供するための機能を有するWebサーバS3、データベースS6を管理する機能を有する管理サーバS4、メール送信機能を有するメールサーバS5で構成される。

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インターネットN1は、緊急情報管理システムS1と移動体ネットワークN2や利用者コンピュータU1との通信を行う機能を有する。

**【0008】**

移動体ネットワークN2は、位置測位機能付携帯電話機U2との通信を行う機能を有する。

移動体ネットワークN2は、測位サーバI1とWAP(Wireless Application Protocol)サーバI2で構成される。

測位サーバI1は、位置測位機能付携帯電話機U2の位置を特定する機能を有する。

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WAPサーバI2は、位置測位機能付携帯電話機U2にコンテンツを表示するためのインタフェース機能を有する。

以上より、気象庁などが警報を発布したときにその緊急情報を緊急情報管理システムS1で作成し、その緊急情報を利用者が位置測位機能付携帯電話機U2や利用者コンピュータU1で受信して閲覧することが可能となり、災害を未然に防ぐことが可能となる。

**【0009】**

図2は、本発明の実施の一形態で緊急情報管理システムS1のコンテンツ情報のマッピング例である。

緊急情報管理システムS1は、管理サーバS4、コンテンツサーバS2で構成する。

管理サーバS4にはデータベースS6が接続されている。データベースS6には、衛星

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画像情報 S 6 1、地形情報 S 6 2、地域情報 S 6 3 が格納されている。

衛星画像情報 S 6 1 は、地球上を回り続けている衛星で撮影された画像のアーカイブ情報であり、各地区の上空からの撮影写真の画像が格納されている。この情報にはその撮影地点を表す位置情報を属性情報として持っている。

地形情報 S 6 2 は、山や丘、川などの地形に関する情報であり、これらの地形情報にはその情報を表す名称や大きさを表す 3 次元情報（幅、長さ、等高線）を属性情報として持っており、また衛星画像情報 S 6 1 とマッピングを行うための位置情報も属性情報として持っている。

地域情報 S 6 3 は、その地域の各種情報が格納されている。例として、地域情報 S 6 3 には住所情報（市町村、地域、番地など）、建造物情報（市役所、学校、ビルなど）や交通情報（道路名、線路名、橋など）などの地域に関する情報が格納されている。

これらの情報には、その情報を表す名称や大きさを表す 3 次元情報（幅、長さ、高さ）を属性情報として持っており、また衛星画像情報 S 6 1 とマッピングを行うための位置情報も属性情報として持っている。

#### 【0010】

コンテンツサーバ S 2 は、作成されたコンテンツ情報 S 7 を管理するサーバであり、コンテンツ情報として、衛星画像コンテンツ S 7 1、“衛星画像と地形情報のマッピングコンテンツ S 7 2”、“衛星画像と地形情報と地域情報のマッピングコンテンツ S 7 3”などを格納する。

管理サーバ S 4 がデータベース S 6 に格納されている情報のマッピング（重ね合わせ）を行って、コンテンツサーバ S 2 に A 市街地の緊急情報地図としてのコンテンツ情報を作成する例を以下に示す。

管理サーバ S 4 は、A 市街地の緊急情報地図を作成するために、その A 市街地の位置情報を検索キーとして、データベース S 6 に格納されている衛星画像情報 S 6 1 と地形情報 S 6 2 と地域情報 S 6 3 を取り出す。その取り出した衛星画像コンテンツ S 7 1 をベースにして地形情報 S 6 2 を重ね合わせて“衛星画像と地形情報のマッピングコンテンツ S 7 2”を作成し、さらに地域情報を重ね合わせることにより“衛星画像と地形情報と地域情報のマッピングコンテンツ S 7 3”を作成する。

以上のことから、“衛星画像と地形情報と地域情報のマッピングコンテンツ S 7 3”を利用すれば、衛星からの写真画像がベースになっていることからより視覚的に見ることができ、かつ地形情報や地域情報のランドマークなどの情報が重なり合っていることから住民が見やすい地図情報となる。

#### 【0011】

図 3 は、本発明の実施の一形態で緊急情報管理システム S 1 の利用者コンピュータおよび位置測位機能付携帯電話閲覧用 U R L コンテンツ作成の例である。

緊急情報管理システム S 1 は、管理サーバ S 4、コンテンツサーバ S 2、警報情報入力端末 S 9 で構成する。

管理サーバ S 4 は、警報情報 S 8 を管理している。この警報情報 S 8 に警報情報（洪水、高潮、津波などの情報）を入力するための警報情報入力端末 S 9 も管理サーバ S 4 に接続されている。

警報情報 S 8 には、“洪水や高潮、津波の警報情報（地域名や高波量など） S 8 1”などを格納する。

コンテンツサーバ S 2 は、作成されたコンテンツ情報 S 7 を管理するサーバであり、コンテンツ情報として、“衛星画像と地形情報と地域情報のマッピングコンテンツ S 7 3”、“U R L コンテンツ 1（利用者コンピュータ用） S 7 4”、“U R L コンテンツ 2（位置測位機能付携帯電話用） S 7 5”などを格納する。

気象庁などから警報が発令されたときには、その警報情報内容（洪水、高潮、津波など）を取得して、警報情報入力端末 S 9 から管理サーバ S 4 を介して警報情報 S 8 に“洪水や高潮、津波の警報情報（地域名や高波量など） S 8 1”として登録する。この登録時に警報情報内容（例：大津波 3 M）に基づいて予めシミュレーションされた地域への影響（

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浸水、危険区域のシミュレーションなど）も同時に求めて“洪水や高潮、津波の警報情報（地域名や高波量など）S 8 1”に登録する。

【0012】

管理サーバS 4は、コンテンツサーバS 2に接続されているコンテンツ情報S 7から、“洪水や高潮、津波の警報情報（地域名や高波量など）S 8 1”に該当する地域があるか検索を行い、存在すれば、その地域の“衛星画像と地形情報と地域情報のマッピングコンテンツS 7 3”を取得し、警報情報S 8の“洪水や高潮、津波の警報情報（地域名や高波量など）S 8 1”を用いて利用者がコンピュータや携帯電話機で閲覧できるように“URLコンテンツ1（利用者コンピュータ用）S 7 4”と“URLコンテンツ2（位置測位機能付携帯電話用）S 7 5”を作成し、コンテンツサーバS 2を介してコンテンツ情報S 7 10

に登録する。  
以上より、“URLコンテンツ1（利用者コンピュータ用）S 7 4”や“URLコンテンツ2（位置測位機能付携帯電話用）S 7 5”を見れば、災害（洪水や高潮、津波など）が発生したときに、危険な区域、安全な区域の見分けがはっきりした緊急情報を得ることが可能となる。

【0013】

図4は、本発明の実施の一形態で緊急情報管理システムの緊急情報を利用者のコンピュータU 1に表示させるための例である。

緊急情報管理システムS 1は、WebサーバS 3、メールサーバS 5、コンテンツサーバS 2、管理サーバS 4で構成する。 20

WebサーバS 3は、利用者からのWebページの閲覧要求に伴い、指定されたWebページを応答する機能を有する。

メールサーバS 5は、利用者のコンピュータU 1や携帯電話機U 2にメールを送信する機能を有する。

コンテンツサーバS 2は、Web閲覧するときのWebページのコンテンツを管理する機能を有する。

管理サーバS 4は、警報情報やメールを送信するための利用者情報を管理する機能を有する。

利用者は、利用者コンピュータU 1にメール受信プログラムU 1 1とWeb閲覧プログラムU 1 2を用意しておき、インターネットN 1を介してメールの受信やWeb閲覧を行うことができる。 30

管理サーバS 4は、事前にサービス希望者である利用者から入手したメールアドレスや住所情報などを管理サーバS 4に接続されている利用者情報S 1 0に“メールアドレス、住所情報等S 1 0 1”として登録しておく。

【0014】

管理サーバS 4は、気象庁などから警報が発令されたときに利用者情報S 1 0に登録されている利用者情報を元に該当する地域の利用者全員に、コンテンツ情報S 7に格納されている“URLコンテンツ1（利用者コンピュータ用）S 7 4”のアドレス情報をメールにし、メールサーバS 5を通じて利用者のコンピュータU 1にメール送信する。

利用者は利用者コンピュータU 1でそのメールをメール受信プログラムU 1 1で受信する。その受信したメールに書かれているURLアドレスを取得し、Web閲覧プログラムU 1 2でそのURLアドレスを指定することによりWebサーバS 3を介してWEBページの閲覧を行う。 40

【0015】

また、利用者が警報内容をWebページから指定することで、自動的に警報情報を作成することも可能である。以下にその例を示す。

利用者はWeb閲覧プログラムU 1 2から住所や警報内容を指定（例：大津波4 M）する。

管理サーバS 4は、コンテンツサーバS 2に接続されているコンテンツ情報S 7からその住所に該当する“衛星画像と地形情報と地域情報のマッピングコンテンツS 7 3”を取 50

得し、利用者から指定された警報内容を元に“URLコンテンツ1（利用者コンピュータ用）S74”を動的に作成する。

この作成した“URLコンテンツ1（利用者コンピュータ用）S74”を、WebサーバS3を介して利用者コンピュータU1上のWeb閲覧プログラムU12に表示する。

以上より、利用者は“URLコンテンツ1（利用者コンピュータ用）S74”を見ることが可能となり、災害（洪水や高潮、津波など）が発生したときに、緊急情報を即座に受信し、危険な区域、安全な区域の見分けが明確になり、自分の所在する位置からどの方向やどこの場所へ移動、避難すればよいのか判断可能となる。

また、事前に発生するかもしれないと思われる災害情報を元にシミュレートした緊急情報を見ておけば、万が一災害が発生したときには迅速に行動を起こすことが可能となる。

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#### 【0016】

図5は、本発明の実施の一形態で緊急情報管理システムの緊急情報を利用者の位置測位機能付携帯電話機U2に表示させるための例である。

緊急情報管理システムS1は、WebサーバS3、メールサーバS5、コンテンツサーバS2、管理サーバS4で構成する。

WebサーバS3は、利用者からのWeb閲覧要求に伴い、指定されたWebページを応答する機能を有する。

メールサーバS5は、利用者のコンピュータにメールを送信する機能を有する。

コンテンツサーバS2は、Web閲覧するときのWebページのコンテンツを管理する機能を有する。

20

管理サーバS4は、利用者情報やメールを送信するための利用者情報を管理する機能を有する。

利用者は、位置測位機能付携帯電話機U2を用意しておき、移動体ネットワークN2を介してメールの受信やWeb閲覧を行うことができる。

移動体ネットワークN2は、測位サーバI1とWAPサーバI2で構成される。

測位サーバI1は、位置測位機能付携帯電話機U2の位置を特定する機能を有する。

WAPサーバI2は、位置測位機能付携帯電話機U2にコンテンツを表示するためのインタフェース機能を有する。

また、移動体ネットワークN2はインターネットN1と接続されている。

#### 【0017】

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管理サーバS4は、気象庁などから警報が発令されたときに利用者情報S10に登録されている利用者情報を元に該当する地域の利用者全員に、コンテンツ情報S7に格納されている“URLコンテンツ2（位置測位機能付携帯電話用）S75”のアドレス情報をメールにし、メールサーバS5を通じて利用者の位置測位機能付携帯電話機U2にメール送信する。

利用者は位置測位機能付携帯電話機U2でそのメールを受信し、その受信したメールに書かれているURLアドレスを取得して、WAPサーバI2を経由してWeb閲覧要求を行う。このときに測位サーバI1で位置測位機能付携帯電話機U2が実在する位置情報を取得して同時にWebサーバS3に要求情報に付加して送信する。

管理サーバS4は、コンテンツ情報S7に登録された“URLコンテンツ2（位置測位機能付携帯電話用）S75”に利用者から送られてきた位置情報を付加したコンテンツを作成し、コンテンツサーバS2を介してコンテンツ情報S7に“URLコンテンツ3（所在位置付加）S76”として登録する。この作成した“URLコンテンツ3（所在位置付加）S76”をWebサーバS3、WAPサーバI2を経由して、要求元である位置測位機能付携帯電話機U2に表示する。

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以上より、利用者は“URLコンテンツ3（所在位置付加）S76”を見ることが可能となり、災害（洪水や高潮、津波など）が発生したときに、緊急情報を即座に受信し、危険な区域、安全な区域の見分けが明確になり、自分の所在する位置からどの方向やどこの場所へ移動、避難すればよいのか判断可能となる。

#### 【図面の簡単な説明】

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## 【 0 0 1 8 】

【図 1】本発明の実施の一形態の衛星画像を利用した緊急情報提供システムの概念図である。

【図 2】本発明の実施の一形態の緊急情報管理システムのコンテンツ情報のマッピング例を示す図である。

【図 3】本発明の実施の一形態の緊急情報管理システムの利用者コンピュータおよび位置測位機能付携帯電話閲覧用 URL コンテンツの例を示す図である。

【図 4】本発明の実施の一形態の緊急情報管理システムの緊急情報を利用者のコンピュータに表示させるための例を示す図である。

【図 5】本発明の実施の一形態の緊急情報管理システムの緊急情報を利用者の位置測位機能付携帯電話機に表示させるための例を示す図である。 10

## 【符号の説明】

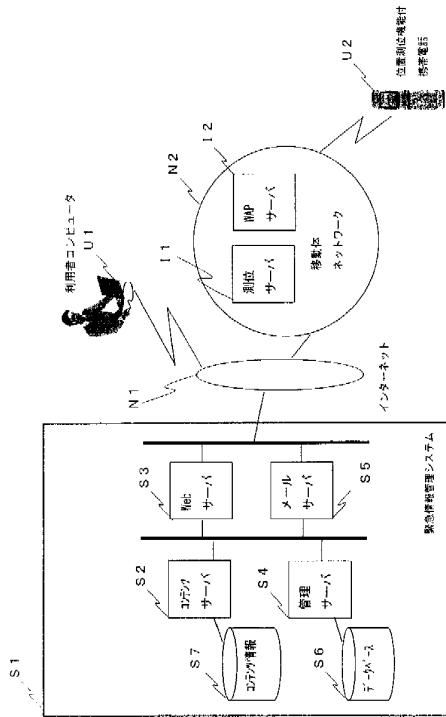
## 【 0 0 1 9 】

|       |              |
|-------|--------------|
| S 1   | 緊急情報管理システム   |
| S 2   | コンテンツサーバ     |
| S 3   | W e bサーバ     |
| S 4   | 管理サーバ        |
| S 5   | メールサーバ       |
| S 6   | データベース       |
| S 6 1 | 衛星画像情報       |
| S 6 2 | 地形情報         |
| S 6 3 | 地域情報         |
| S 7   | コンテンツ情報      |
| S 7 1 | 衛星画像コンテンツ    |
| N 1   | インターネット      |
| N 2   | 移動体ネットワーク    |
| I 1   | 測位サーバ        |
| I 2   | W A Pサーバ     |
| U 1   | 利用者コンピュータ    |
| U 2   | 位置測位機能付携帯電話機 |

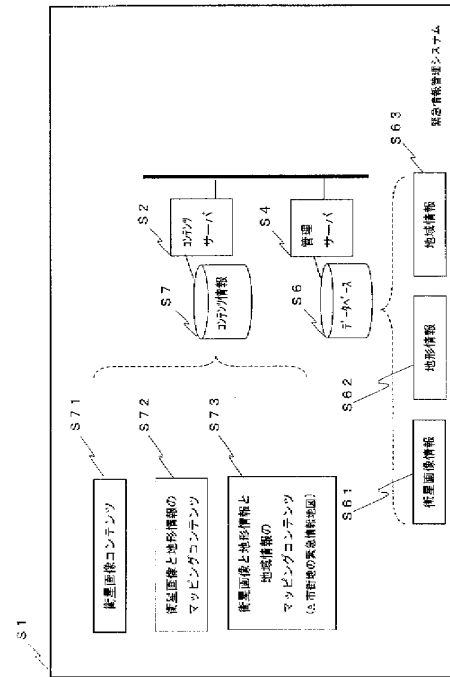
20

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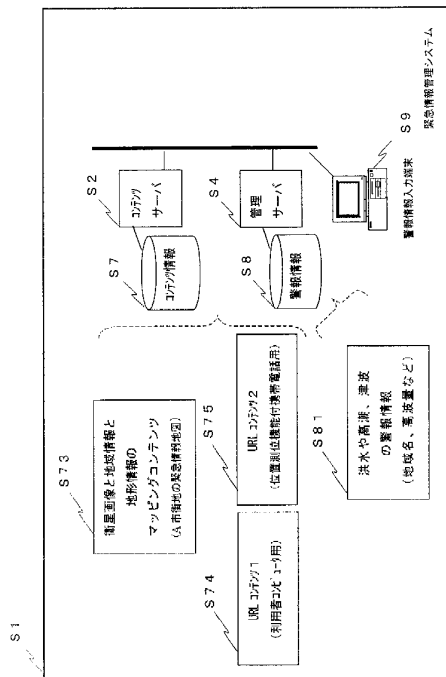
【図 1】



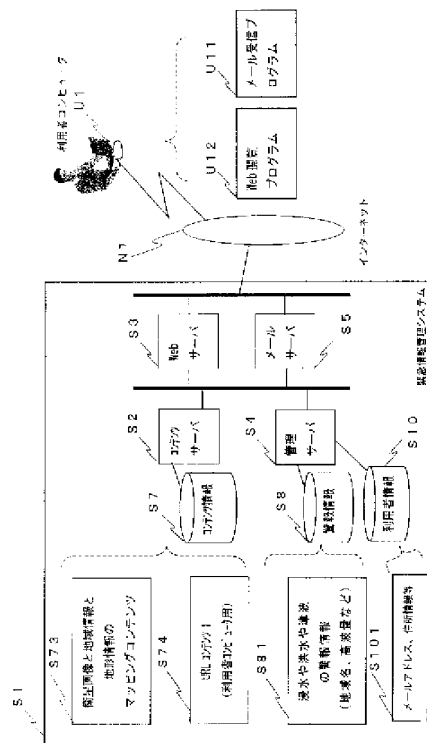
【図 2】



【図 3】



【図 4】





**DERWENT-** 2006-691973  
**ACC-NO:**  
**DERWENT-** 200672  
**WEEK:**

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**TITLE:** Emergency information provision system has transmitter that sends produced URL content to mobile phone with position measuring function and user computer

**INVENTOR:** KAWAI R

**PATENT-ASSIGNEE:** HITACHI SOFTWARE ENG CO LTD[HISF]

**PRIORITY-DATA:** 2005JP-047462 (February 23, 2005)

**PATENT-FAMILY:**

| <b>PUB-NO</b>   | <b>PUB-DATE</b>   | <b>LANGUAGE</b> |
|-----------------|-------------------|-----------------|
| JP 2006235842 A | September 7, 2006 | JA              |

**APPLICATION-DATA:**

| <b>PUB-NO</b> | <b>APPL-DESCRIPTOR</b> | <b>APPL-NO</b> | <b>APPL-DATE</b>  |
|---------------|------------------------|----------------|-------------------|
| JP2006235842A | N/A                    | 2005JP-047462  | February 23, 2005 |

**INT-CL-CURRENT:**

| <b>TYPE</b> | <b>IPC DATE</b>    |
|-------------|--------------------|
| CIPP        | G08B27/00 20060101 |
| CIPS        | G06Q50/00 20060101 |
| CIPS        | G08B21/10 20060101 |

**ABSTRACTED-PUB-NO:** JP 2006235842 A

**BASIC-ABSTRACT:**

NOVELTY - A transmitter sends a produced URL content to a mobile phone (U2) with a position measuring function and a user computer (U1). The URL content contains the stricken area region and emergency evacuation place information caused by e.g. flood, high tide, tsunami. The user computer is linked to the Internet (N1) to connect with an emergency information management apparatus and a mobile network (N2).

USE - For providing emergency information about e.g. flood, high tide, tsunami, to mobile phone through Internet or mobile network.

ADVANTAGE - Ensures correct and quick notification of residents about upcoming flood, tsunami or high tide.

DESCRIPTION OF DRAWING(S) - The figure shows the conceptual diagram of an emergency information provision system. (Drawing contains non-English language text).

Internet (N1)

Mobile network (N2)

Emergency information management system (S1)

User computer (U1)

Mobile phone (U2)

**CHOSEN-** Dwg.1/5  
**DRAWING:**

**TITLE-** EMERGENCY INFORMATION PROVISION SYSTEM TRANSMIT SEND  
**TERMS:** PRODUCE CONTENT MOBILE TELEPHONE POSITION MEASURE  
FUNCTION USER COMPUTER

**DERWENT-CLASS:** T01 W01 W05

**EPI-** T01-J21B; T01-N02A1A; W01-C05B4E; W01-C05B5C; W05-  
**CODES:** B05A1; W05-B05G5C; W05-B08C;

**SECONDARY-ACC-NO:**

**Non-CPI Secondary Accession Numbers:** 2006-548103

Receipt date: 02/19/2015

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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13972843 - GAIL: 2641

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                         | 13972843   |  |
|                                                                                                     | Filing Date            |                         | 2013-08-21 |  |
|                                                                                                     | First Named Inventor   | David J. Leggett et al. |            |  |
|                                                                                                     | Art Unit               | 2641                    |            |  |
|                                                                                                     | Examiner Name          | Zhang, Xiang            |            |  |
|                                                                                                     | Attorney Docket Number | 058377-0423891          |            |  |

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| <b>Receipt date: 02/19/2015</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                         | 13972843   | 13972843 - GAU: 2641 |
|                                                                                                                                            | Filing Date            |                         | 2013-08-21 |                      |
|                                                                                                                                            | First Named Inventor   | David J. Leggett et al. |            |                      |
|                                                                                                                                            | Art Unit               | 2641                    |            |                      |
|                                                                                                                                            | Examiner Name          | Zhang, Xiang            |            |                      |
|                                                                                                                                            | Attorney Docket Number | 058377-0423891          |            |                      |

| Examiner Initial* | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> j | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup>           |
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#### EXAMINER SIGNATURE

|                    |               |                 |            |
|--------------------|---------------|-----------------|------------|
| Examiner Signature | /Xiang Zhang/ | Date Considered | 05/17/2015 |
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| <b>Receipt date: 02/19/2015</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     | 13972843      13972843 - GAU: 2641 |
|                                                                                                                                            | Filing Date            | 2013-08-21                         |
|                                                                                                                                            | First Named Inventor   | David J. Leggett et al.            |
|                                                                                                                                            | Art Unit               | 2641                               |
|                                                                                                                                            | Examiner Name          | Zhang, Xiang                       |
|                                                                                                                                            | Attorney Docket Number | 058377-0423891                     |

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☒ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

### SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                      |                     |            |
|------------|----------------------|---------------------|------------|
| Signature  | /D. Benjamin Esplin/ | Date (YYYY-MM-DD)   | 2015-02-19 |
| Name/Print | D. Benjamin Esplin   | Registration Number | 58,297     |

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4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. (X,Z)

REFINED THROUGH XZ  
3972843 - GAU: 2641

602015623v1

|                                                                                                                     |                                                |                                                                     |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------|
| <b><i>Search Notes</i></b><br><br> | <b>Application/Control No.</b><br><br>13972843 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>LEGETT ET AL. |
|                                                                                                                     | <b>Examiner</b><br><br>EDWARD ZHANG            | <b>Art Unit</b><br><br>2641                                         |

| CPC- SEARCHED |      |          |
|---------------|------|----------|
| Symbol        | Date | Examiner |
|               |      |          |

| CPC COMBINATION SETS - SEARCHED |      |          |
|---------------------------------|------|----------|
| Symbol                          | Date | Examiner |
|                                 |      |          |

| US CLASSIFICATION SEARCHED |          |      |          |
|----------------------------|----------|------|----------|
| Class                      | Subclass | Date | Examiner |
|                            |          |      |          |

| SEARCH NOTES                      |            |          |
|-----------------------------------|------------|----------|
| Search Notes                      | Date       | Examiner |
| Consulted search POC Mehmood Khan | 05/23/2015 | X.Z      |
| See East Search Notes             | 05/16/2015 | X.Z      |

| INTERFERENCE SEARCH     |                         |      |          |
|-------------------------|-------------------------|------|----------|
| US Class/<br>CPC Symbol | US Subclass / CPC Group | Date | Examiner |
|                         |                         |      |          |

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## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits    | Search Query                                                                                                                                                                                                                                                                                                                                                                                       | DBs                                         | Default Operator | Plurals | Time Stamp       |
|-------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|---------|------------------|
| L3    | 4875    | 455/404.1,520.ccls.                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:15 |
| L4    | 178033  | (emergency.ab. emergency.ti.) L3                                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:15 |
| L5    | 178033  | L4                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:15 |
| L6    | 830     | 5 and ((location position coordinate\$1) near5 (url link shortcut))                                                                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:15 |
| L7    | 1770018 | ((mobile or telecommunication or wireless or cellular or cell) adj (station or apparatus or terminal or device or client or node phone)) or wtru or plmn or ue or (user adj equipment) pda<br>((mobile or telecommunication or wireless or cellular or cell) adj (stations or apparatuses or terminals or devices or clients nodes phones)) or wtrus or plmns or ues or (user adj equipments) pdas | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:17 |
| L8    | 81      | 5 and ((location position coordinate\$1) near5 (url link shortcut) with 7)                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:18 |
| L9    | 2779    | 4 and 455/456.1-456.6,404.2.ccls.                                                                                                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:19 |
| L10   | 45      | 9 and ((location position coordinate\$1) near5 (url link shortcut) with 7)                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/05/16 23:19 |
| L11   | 3       | 9 and ((location position coordinate\$1) near5 (url ) with 7)                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR               | OFF     | 2015/05/16 23:20 |

|     |     |                                                                                                                                                           |                                             |    |     |                      |
|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|-----|----------------------|
|     |     |                                                                                                                                                           | DERWENT                                     |    |     |                      |
| L12 | 176 | ((location position coordinate\$1) near3 7 near5 (url ))                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:21 |
| L13 | 1   | "13972843"                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:21 |
| L14 | 106 | 12 and ("455".clas. "379".clas. "709".clas.)                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:22 |
| L15 | 0   | 4 and 14                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:22 |
| L16 | 1   | 12 same emergency                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:22 |
| L17 | 4   | 1 and ((location position coordinate\$1) )                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:30 |
| L18 | 1   | 1 and ((location position coordinate\$1) near5 (quer\$6 request\$4))                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:31 |
| L19 | 0   | 1 and ((identif\$6 mad msisdn imei) near6 (request\$4))                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:36 |
| L20 | 66  | 4 and (("operators" "carriers" "providers" responders) near5 (emergency "e-911" "e911") with (location position coordinate\$1) with (quer\$6 request\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:38 |
| L21 | 0   | "20120257729" and ((identif\$6 mad msisdn imei) near6 (request\$4))                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:42 |
| L22 | 1   | "20120257729" and (identif\$6 mad msisdn imei)                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/16:<br>23:42 |
| L23 | 0   | "20120257729" and ((request\$4 quer\$6) near6 (location position coordinat\$6))                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | OFF | 2015/05/16:<br>23:44 |

|     |       |                                                                                                                                                                         |                                             |    |     |                     |
|-----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|-----|---------------------|
|     |       |                                                                                                                                                                         | DERWENT                                     |    |     |                     |
| L25 | 3     | "20110111726"                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:39 |
| L26 | 0     | "20110111726" and ((imei identif\$6 mac msisdn) with location with (operator\$6 carrier\$1 responder\$1 provider\$1))                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:41 |
| L27 | 0     | "20110111726" and ((imei identif\$6 mac msisdn) same location same (operator\$6 carrier\$1 responder\$1 provider\$1))                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:41 |
| L28 | 60520 | (emergency same v(imei identif\$6 mac msisdn) same location same (operator\$6 carrier\$1 responder\$1 provider\$1))                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:41 |
| L29 | 2786  | (emergency same (imei identif\$6 mac msisdn) same location same (operator\$6 carrier\$1 responder\$1 provider\$1))                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:41 |
| L30 | 936   | (emergency same ((imei identif\$6 mac msisdn) with (position location) with (operator\$6 carrier\$1 responder\$1 provider\$1)))                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:42 |
| L31 | 655   | (emergency with ((imei identif\$6 mac msisdn) with (position location) with (operator\$6 carrier\$1 responder\$1 provider\$1)))                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:42 |
| L32 | 67    | (emergency with (((imei identif\$6 mac msisdn) near3 (user))with (position location) with (operator\$6 carrier\$1 responder\$1 provider\$1)))                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:43 |
| L33 | 20    | (emergency with (((imei identif\$6 mac msisdn) near3 (user))with (position location) with (operator\$6 carrier\$1 responder\$1 provider\$1)) with (quer\$4 request\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:47 |
| L34 | 2     | "20100261492"                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>00:55 |
| L35 | 1     | "13972843"                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/17<br>01:00 |
| S1  | 4849  | 455/404.1,520.ccls.                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | OFF | 2015/05/04<br>17:53 |

|     |      |                                                                                                                                                                   |                                             |    |     |                     |
|-----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|-----|---------------------|
|     |      |                                                                                                                                                                   | DERWENT                                     |    |     |                     |
| S2  | 4849 | 455/404.1,520.ccls.1 and (call with ("call center" "customer service center") with ("911" "e-911" "e911" emergency) with (text "sms" "instant message"))          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:55 |
| S3  | 45   | S1 and (call with ("call center" "customer service center") with ("911" "e-911" "e911" emergency) with (text "sms" "instant message"))                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:55 |
| S4  | 18   | S3 and ((cellular gsm cdma umts) with (wimax femto\$5 macro\$6 micro\$6))                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:57 |
| S5  | 0    | S3 and ((cellular gsm cdma umts) with (wimax femto\$5 macro\$6 micro\$6) with emergency with (text "ims" "sms" "instant message"))                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:57 |
| S6  | 1    | "13972843"                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:57 |
| S7  | 1    | S3 and ( (wimax femto\$5 macro\$6 micro\$6) with emergency with (text "ims" "sms" "instant message"))                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:58 |
| S8  | 103  | (emergency.ab. emergency.ti.) and (call with ("call center" "customer service center") with ("911" "e-911" "e911" emergency) with (text "sms" "instant message")) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:59 |
| S9  | 18   | S8 and ((cellular gsm cdma umts) with (wimax femto\$5 macro\$6 micro\$6))                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>17:59 |
| S10 | 0    | (emergency.ab. emergency.ti.) and ((inter\$1radio\$1access\$1technology "interat").ab. (inter\$1radio\$1access\$1technology "interat").ti.)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:06 |
| S11 | 0    | (emergency.ab. emergency.ti.) and (inter\$1radio\$1access\$1technology "interat")                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:06 |
| S12 | 0    | S1 and (inter\$1radio\$1access\$1technology "interat")                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:07 |
| S13 | 13   | S1 and (inter\$1rat interat)                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | OFF | 2015/05/04<br>18:07 |

|     |        |                                                                                                                                                                                                                     |                                             |    |     |                     |
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|     |        |                                                                                                                                                                                                                     | DERWENT                                     |    |     |                     |
| S14 | 23     | (S1 emergency.ab. emergency.ti.) and (inter\$1rat interat)                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:07 |
| S15 | 0      | S14 and (call with ("call center" "customer service center") with ("911" "e-911" "e911" emergency) with (text "sms" "instant message"))                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:08 |
| S16 | 0      | S14 and (call same ("call center" "customer service center") same ("911" "e-911" "e911" emergency) same (text "sms" "instant message"))                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:08 |
| S17 | 4      | ((toip "text-over-ip" "text over ip") same ("911" "e-911" "e911" emergency) same (cellular gsm cdma umts))                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:19 |
| S18 | 2      | S17 and (call with ("call center" "customer service center") with ("911" "e-911" "e911" emergency) with (text "sms" "instant message"))                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/04<br>18:20 |
| S19 | 24     | (emergency.ab. emergency.ti.) and (call with ("call center" "customer service center") with ("911" "e-911" "e911" emergency) with (text "sms" "instant message") with (voice "packet switching" "packet switched")) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:14 |
| S21 | 5      | S19 and ((cellular gsm cdma umts) with (wimax femto\$5 macro\$6 micro\$6))                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:14 |
| S22 | 1      | "13972843"                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:15 |
| S23 | 229    | (emergency.ab. emergency.ti.) and (("call center" "customer service center") with ("911" "e-911" "e911" emergency) with (voice (call near6 ("packet switching" "packet switched")))))                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:20 |
| S24 | 4853   | 455/404.1,520.ccls.                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:20 |
| S25 | 177734 | (emergency.ab. emergency.ti.) S24                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:20 |
| S26 | 239    | S25 and (("call center" "customer service center") with ("911" "e-911"                                                                                                                                              | US-PGPUB;                                   | OR | OFF | 2015/05/11<br>23:21 |

|     |    |                                                                                                                                                                                                                          |                                                 |    |     |                     |
|-----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|---------------------|
|     |    | "e911" emergency) with (voice (call near6 ("packet switching" "packet switched"))))                                                                                                                                      | USPAT;<br>EPO; JPO;<br>DERWENT                  |    |     |                     |
| S27 | 15 | ((call voice) near6 (cellular gsm cdma umts)) with ((text email "instant message" "instant messaging" e\$1mail) near7 (wimax femto\$5 macro\$6 micro\$6))                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:22 |
| S28 | 0  | S26 and S27                                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:22 |
| S29 | 11 | ((call voice) near6 (cellular gsm cdma umts) near6 network) with ((text email "instant message" "instant messaging" e\$1mail) near7 (wimax femto\$5 macro\$6 micro\$6 wi\$1fi wifi "802.11" WLAN "local area network"))  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:30 |
| S30 | 17 | ((call voice) near6 (wimax femto\$5 macro\$6 micro\$6 wi\$1fi wifi "802.11" WLAN "local area network" ) near6 network) with ((text email "instant message" "instant messaging" e\$1mail) near7 (cellular gsm cdma umts)) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/11<br>23:32 |
| S31 | 5  | "20050176441" "20120149324"                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/12<br>17:42 |
| S32 | 4  | S31 AND emergency                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/12<br>17:42 |
| S33 | 2  | S31 AND emergency and ((voice speech) with (text "mms" "sms" "ims"))                                                                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/12<br>17:43 |
| S34 | 0  | (voice speech) near3 conver\$6 near3 text near6 ((second another) adj2 network) with emergency                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/13<br>18:13 |
| S35 | 0  | (voice speech) near3 conver\$6 near3 text near6 ((second another) adj2 network) same emergency                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/13<br>18:13 |
| S36 | 0  | (voice\$1to\$1text speech\$1to\$1text) near6 ((second another) adj2 network) same emergency                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/13<br>18:13 |
| S37 | 0  | (voice\$1to\$1text speech\$1to\$1text) near6 ((second another) adj2 network)                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | OFF | 2015/05/13<br>18:14 |

|     |       |                                                                                                                           |                                             |    |     |                  |
|-----|-------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|-----|------------------|
|     |       |                                                                                                                           | DERWENT                                     |    |     |                  |
| S38 | 3     | (voice speech) near3 conver\$6 near3 text near6 ((second another) adj2 network)                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/13 18:14 |
| S39 | 0     | S38 and emergency                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/13 18:14 |
| S40 | 24629 | ((voice speech) near3 conver\$6 near3 text ) voice\$1to\$1text speech\$1to\$1text                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/13 18:16 |
| S41 | 50    | (cellular gsm cdma umts) with (wimax femto\$5 macro\$6 micro\$6 wi\$1fi wifi "802.11" WLAN "local area network") with S40 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/13 18:17 |
| S42 | 2     | "20100261492"                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14 15:20 |
| S43 | 1     | "13972843"                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14 15:26 |
| S44 | 2     | "20100261492" and ("call handler" with (emergency "e911" "e-911"))                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14 15:27 |
| S45 | 1     | "20100261492" and (processor\$1 microp\$6 micro\$1proces\$6)                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14 15:30 |
| S46 | 1     | "20100261492" and ((reception receiv\$6) near6 (call\$6 speech emergency))                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14 15:32 |
| S47 | 1     | "20100261492" and (telephonic adj interface)                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14 16:08 |
| S48 | 1     | "20100261492" and (network near6 ("911" emergency))                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14 16:15 |
| S49 | 1     | "20100261492" and (( call\$4 voice) with (mad\$6 mak\$3 plac\$4 initiat\$4))                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | OFF | 2015/05/14 16:17 |

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |    |     |                     |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|-----|---------------------|
|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                   | DERWENT                                     |    |     |                     |
| S50 | 1       | "20100261492" and (( call\$4 voice) with (mad\$6 mak\$3 plac\$4 initiat\$4) same (e\$mail email message))                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:19 |
| S51 | 0       | "20100261492" and ((speech convers\$6 voice) same (e\$mail email message))                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:21 |
| S52 | 0       | "20100261492" and ((dial\$4) with (e\$mail email message))                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:22 |
| S53 | 1       | "20100261492" and ((dial\$4) same (visual e\$mail email message))                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:22 |
| S54 | 0       | "20100261492" and ((dial\$4) same (text e\$mail email message))                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:22 |
| S55 | 1       | "20100261492" and ((call\$4 speech voice) same (text e\$mail email message))                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:23 |
| S56 | 1102097 | "20100261492" and ((mobile or telecommunication or wireless or cellular or cell) adj (station or apparatus or terminal or device or client or node phone)) or wtrn or plmn or ue or (user adj equipment) pda ((mobile or telecommunication or wireless or cellular or cell) adj (stations or apparatuses or terminals or devices or clients nodes phones)) or wtrus or plmns or ues or (user adj equipments) pdas | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:26 |
| S57 | 1768425 | ((mobile or telecommunication or wireless or cellular or cell) adj (station or apparatus or terminal or device or client or node phone)) or wtrn or plmn or ue or (user adj equipment) pda ((mobile or telecommunication or wireless or cellular or cell) adj (stations or apparatuses or terminals or devices or clients nodes phones)) or wtrus or plmns or ues or (user adj equipments) pdas                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:27 |
| S58 | 1       | "20100261492" and S57                                                                                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:27 |
| S59 | 0       | "20100261492" and ((module                                                                                                                                                                                                                                                                                                                                                                                        | US-                                         | OR | OFF | 2015/05/14          |

|     |        |                                                                                                                                                                                       |                                                 |    |     |                     |
|-----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|---------------------|
|     |        | manager) near6 (email e\$1mail))                                                                                                                                                      | PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT        |    |     | 16:35               |
| S60 | 0      | "20100261492" and ((generat\$6<br>compos\$4) near6 (email e\$1mail))                                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:35 |
| S61 | 0      | "20100261492" and ((generat\$6<br>compos\$4 conver\$6 initiat\$6) near6<br>(email e\$1mail))                                                                                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:36 |
| S62 | 1      | "20100261492" and ((generat\$6<br>compos\$4 conver\$6 initiat\$6) near6<br>(message image email e\$1mail))                                                                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:36 |
| S63 | 1      | "20100261492" and ((dial\$4 "911" call<br>speech audio spok\$4 speak\$4 talk\$4)<br>near6 (message email e\$1mail))                                                                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:39 |
| S64 | 1      | "20100261492" and ((dial\$4 "911" call<br>speech audio spok\$4 speak\$4 talk\$4)<br>near6 (message email e\$1mail) with<br>(bas\$4 accord\$6 correlat\$4))                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:40 |
| S65 | 1      | "20100261492" and ((dial\$4 "911" call<br>speech audio spok\$4 speak\$4 talk\$4)<br>near6 (message email e\$1mail) with<br>(bas\$4 accord\$6 correlat\$4) with<br>handler)            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:40 |
| S66 | 1      | "20100261492" and ((dial\$4 "911" call<br>speech audio spok\$4 speak\$4 talk\$4)<br>near6 (message electronic email<br>e\$1mail) with (bas\$4 accord\$6<br>correlat\$4) with handler) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:41 |
| S67 | 1      | "13972843"                                                                                                                                                                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>16:48 |
| S68 | 1      | "13917035"                                                                                                                                                                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>17:42 |
| S69 | 2      | "20100261492" and ((carrier provider<br>operator) near9 (voice speech call<br>dial\$))                                                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/14<br>17:56 |
| S70 | 118    | (user\$1 client\$1) near3 (select\$3<br>choos\$4 configur\$6 input\$4) with<br>(emergency near3 (carrier operator<br>center))                                                         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>00:18 |
| S71 | 504874 | "1" and ("379".clas. "709".clas.                                                                                                                                                      | US-                                             | OR | OFF | 2015/05/15          |

|     |        |                                                                                                                                                                               |                                                 |    |     |                     |
|-----|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|---------------------|
|     |        | "455".clas.)                                                                                                                                                                  | PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT        |    |     | 00:19               |
| S72 | 75     | S70 and ("379".clas. "709".clas.<br>"455".clas.)                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>00:19 |
| S73 | 16     | (user\$1 client\$1) near3 (select\$3<br>choos\$4 configur\$6 input\$4) with<br>(emergency near3 (carrier operator<br>center) with (gui "user interface"))                     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>00:19 |
| S74 | 10     | S72 and S73                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>00:19 |
| S75 | 8      | S74 and ((instruction\$3 command)<br>near6 emergency)                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>01:09 |
| S76 | 12     | "20100261492" S74                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>01:16 |
| S77 | 0      | S76 and ((url link shortcut) with<br>(instruction\$1 direction))                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>01:16 |
| S78 | 656503 | (transmit\$4 send\$3 sent outgoing)<br>near3 ("sms" message text email<br>"electronic mail" e\$1mail)                                                                         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>11:44 |
| S79 | 40     | (transmit\$4 send\$3 sent outgoing)<br>near3 ("sms" text email "electronic<br>mail" e\$1mail) with (link url shortcut)<br>with emergency                                      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>11:50 |
| S80 | 0      | (transmit\$4 send\$3 sent outgoing)<br>near3 ("sms" text email "electronic<br>mail" e\$1mail) with (link url shortcut)<br>with ((instruct\$6 command\$4) near5<br>emergency ) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>11:50 |
| S81 | 24     | ("sms" text email "electronic mail"<br>e\$1mail) with (link url shortcut) with<br>((instruct\$6 command\$4) near5<br>emergency )                                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>11:50 |
| S82 | 43     | ("sms" text email "electronic mail"<br>e\$1mail) with (link url shortcut) with<br>((instruct\$6 command\$4) with<br>emergency )                                               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>11:53 |
| S83 | 1      | "13972843" and instruct\$6                                                                                                                                                    | US-                                             | OR | OFF | 2015/05/15          |

|     |        |                                                                                             |                                                 |    |     |                     |
|-----|--------|---------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|---------------------|
|     |        |                                                                                             | PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT        |    |     | 11:58               |
| S84 | 1      | "13972843" and instruct\$6                                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>12:04 |
| S85 | 384    | ("sms" text email "electronic mail"<br>e\$1mail) with (link url shortcut) with<br>emergency | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>12:36 |
| S86 | 4859   | 455/404.1,520.ccls.                                                                         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>12:37 |
| S87 | 177773 | (emergency.ab. emergency.ti.) S86                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>12:37 |
| S88 | 4859   | S86 and S87                                                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>12:37 |
| S89 | 156    | S85 and S87                                                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>12:37 |
| S90 | 0      | "20140007158" and (emergency adj<br>message\$1)                                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>13:05 |
| S91 | 2      | "20140007158" and (emergency adj<br>alert)                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>13:05 |
| S92 | 5      | "20100261492" "20100220840"                                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>13:54 |
| S93 | 2      | S92 and ("sms" "mms")                                                                       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>13:55 |
| S94 | 1      | S92 and ((web internet) same<br>(location position coordinate))                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>13:58 |
| S95 | 1      | S92 and ((web internet) same                                                                | US-                                             | OR | OFF | 2015/05/15          |

|      |         |                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                 |    |     |                      |
|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|----------------------|
|      |         | (location position coordinate) same<br>(quer\$6 inquir\$6 request\$5))                                                                                                                                                                                                                                                                                                                                                        | PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT        |    |     | 14:45                |
| S96  | 226     | S87 and (emergency same (web<br>internet) same ((quer\$6 request\$3<br>retriev\$5) near3 (location position)))                                                                                                                                                                                                                                                                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:19 |
| S97  | 63      | S87 and (emergency with (web<br>internet) with ((quer\$6 request\$3<br>retriev\$5) near3 (location position)))                                                                                                                                                                                                                                                                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:20 |
| S98  | 1768425 | ((mobile or telecommunication or<br>wireless or cellular or cell) adj (station<br>or apparatus or terminal or device or<br>client or node phone)) or wtru or plmn<br>or ue or (user adj equipment) pda<br>((mobile or telecommunication or<br>wireless or cellular or cell) adj<br>(stations or apparatuses or terminals<br>or devices or clients nodes phones))<br>or wtrus or plmns or ues or (user adj<br>equipments) pdas | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:20 |
| S99  | 18      | S87 and (emergency with (web<br>internet) with ((quer\$6 request\$3<br>retriev\$5) near3 (location position))<br>with S98)                                                                                                                                                                                                                                                                                                    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:21 |
| S100 | 9       | S87 and (emergency with (web<br>internet) with ((quer\$6 request\$3<br>retriev\$5) near3 (location position))<br>with S98 same ("sms" text email<br>"electronic mail" e\$1mail))                                                                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:24 |
| S101 | 10      | ("455".clas. "379".clas. "709".clas.)<br>and (emergency with (web internet)<br>with ((quer\$6 request\$3 retriev\$5)<br>near3 (location position)) with S98<br>same ("sms" text email "electronic<br>mail" e\$1mail))                                                                                                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:30 |
| S102 | 1       | "13972843" and web\$7                                                                                                                                                                                                                                                                                                                                                                                                         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:32 |
| S103 | 0       | ("455".clas. "379".clas. "709".clas.)<br>and (emergency with (url) with<br>((quer\$6 request\$3 retriev\$5) near3<br>(location position)) with S98 same<br>("sms" text email "electronic mail"<br>e\$1mail))                                                                                                                                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:34 |
| S104 | 0       | ("455".clas. "379".clas. "709".clas.)<br>and (emergency same ( url) with<br>((quer\$6 request\$3 retriev\$5) near3<br>(location position)) with S98 same<br>("sms" text email "electronic mail"<br>e\$1mail)))                                                                                                                                                                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15:<br>15:35 |
| S105 | 10      | ("455".clas. "379".clas. "709".clas.)<br>and (emergency same ( web website                                                                                                                                                                                                                                                                                                                                                    | US-<br>PGPUB;                                   | OR | OFF | 2015/05/15:<br>15:55 |

|      |     |                                                                                                                                                                                                     |                                                 |    |     |                     |
|------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|---------------------|
|      |     | internet url) with ((quer\$6 request\$3 retriev\$5) near3 (location position)) with S98 same ("sms" text email "electronic mail" e\$1mail)))                                                        | USPAT;<br>EPO; JPO;<br>DERWENT                  |    |     |                     |
| S106 | 32  | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 (location position)) with S98 same ("sms" text email "electronic mail" e\$1mail))                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>15:59 |
| S107 | 3   | "20100220840"                                                                                                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>16:18 |
| S108 | 18  | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 (location position) near4 S98) same ("sms" text email "electronic mail" e\$1mail))                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>16:41 |
| S109 | 27  | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 (location position) near4 S98) same (internet api weblink webpage website))                        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>16:46 |
| S110 | 2   | "40132805".FMI D.                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>FPRS                 | OR | OFF | 2015/05/15<br>16:49 |
| S111 | 242 | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 (location position) near4 S98) )                                                                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>16:50 |
| S112 | 3   | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 (location position) near4 S98) same ((location position coordinate) near5 (broadcast\$5 shar\$6))) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>16:51 |
| S113 | 37  | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 (location position) near4 S98)) and ((location position coordinate) near5 (broadcast\$5 shar\$6))  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>16:52 |
| S114 | 928 | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) neare3 S98 near4 (location position))) and ((location position coordinate) near5 (broadcast\$5 shar\$6)) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>17:01 |
| S115 | 32  | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 S98 near4 (location position))) and ((location position coordinate) near5 (broadcast\$5 shar\$6))  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/05/15<br>17:02 |
| S116 | 230 | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 S98 near4                                                                                          | US-<br>PGPUB;<br>USPAT;                         | OR | OFF | 2015/05/15<br>17:02 |

EAST Search History

|  |  |                      |                      |  |  |  |
|--|--|----------------------|----------------------|--|--|--|
|  |  | (location position)) | EPO; JPO;<br>DERWENT |  |  |  |
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EAST Search History (Interference)

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5/ 17/ 2015 1:09:31 AM  
C:\ Users\ xzhang\ Documents\ EAST\ Workspaces\ 13972843.wsp

Attorney Docket: 058377-0423891

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE PATENT : David J. LEGGETT, *et al.*  
APPLICATION OF :  
SERIAL NO. : 13/972,843  
FILING DATE : August 21, 2013  
ART UNIT : 2641  
EXAMINER : X. Zhang  
FOR : SMS COMMUNICATION DURING EMERGENCIES

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**RESPONSE TO NON-FINAL OFFICE ACTION**

**VIA EFS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

In response to the Non-Final Office Action dated **June 11, 2015** ("Office Action"), please consider the following amendments and remarks in the above-identified application:

**Amendments to the Claims** are reflected in the listing of claims beginning on page 2 of this paper.

**Remarks/Arguments** begin on page 8 of this paper.

It is believed that no extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned for under 37 C.F.R. § 1.136(a), and any fees required therefore (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 033975 (Ref. No. 058377-0423891).

## **CLAIM AMENDMENTS**

This **listing of claims** will replace all prior versions, and listings, of claims in the application:

1.     (**Cancelled**)
2.     (**Cancelled**)
3.     (**Currently Amended**) The system of claim [[2]] 7, wherein the set of user-selectable options correspond to different informational requests associated with the incoming emergency calls such that the first voice call is associated with a first informational request, and wherein the first informational request is included in the first outgoing textual message.
4.     (**Original**) The system of claim 3, wherein the first informational request includes emergency instructions.
5.     (**Currently Amended**) The system of claim [[1]] 7, wherein the first outgoing textual message includes a link to emergency instructions.
6.     (**Currently Amended**) The system of claim [[1]] 7, wherein the outgoing textual messages include one or both of short message service (SMS) messages and/or multimedia messaging service (MMS) messages.

7. (***Currently Amended***) A system configured to provide, to emergency operators, communication through textual messages, the system comprising:

one or more processors configured to execute computer program modules, the computer program modules comprising:

a call reception module configured to receive incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call placed from a first wireless mobile device;

an outgoing message module configured to generate outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call;

a transmission module configured to transmit the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network;

a presentation module configured to present incoming emergency voice calls to emergency operators through a user interface, wherein the user interface includes a set of user-selectable options, and wherein the presentation module is further configured to receive user input from emergency operators to select one or more of the set of user-selectable options; and ~~The system of claim 2, further comprising:~~

a web-hosting module configured to host web resources configured to:

(i) query wireless mobile devices for location information[[.]]; and  
(ii) share, responsive to receipt of location information, received location information with the presentation module[[.]];

wherein the first outgoing textual message includes a uniform resource locator (URL) link to the web resources[[.]]; and

wherein the presentation module is further configured to present shared queried location information to emergency operators through the user interface.

8.     **(Original)** The system of claim 7, wherein the web resources is configured to query wireless mobile devices for location information through an application programming interface (API) function that accesses one or both of global positioning system (GPS) information and/or geolocation information.

9.     **(Currently Amended)** The system of claim [[2]] 7, wherein the transmission module is further configured to receive textual messages from wireless mobile devices through the second communications network.

10.    **(Original)** The system of claim 9, wherein the presentation module is further configured to present received textual messages through the user interface.

11.    **(Cancelled)**

12.    **(Cancelled)**

13. (**Currently Amended**) The method of claim [[12]] 1Z, wherein the set of user-selectable options correspond to different informational requests associated with the incoming emergency calls such that the first voice call is associated with a first informational request, and wherein the first informational request is included in the first outgoing textual message.

14. (**Original**) The method of claim 13, wherein the first informational request includes emergency instructions.

15. (**Currently Amended**) The method of claim [[11]] 1Z, wherein the first outgoing textual message includes a link to emergency instructions.

16. (**Currently Amended**) The method of claim [[11]] 1Z, wherein the outgoing textual messages include one or both of short message service (SMS) messages and/or multimedia messaging service (MMS) messages.

17. (**Currently Amended**) A computer-implemented method for providing, to emergency operators, communication through textual messages, the method being performed by one or more processors configured to execute computer program modules, the method comprising:  
receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices,

the incoming emergency voice calls including a first voice call from a first wireless mobile device;

generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call;

transmitting the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network.

presenting incoming emergency voice calls to emergency operators through a user interface, wherein the user interface includes a set of user-selectable options;

receiving user input from emergency operators to select one or more of the set of user-selectable options; ~~The method of claim 12, further comprising:~~

querying, through web resources, wireless mobile devices for location information;

sharing, responsive to receipt of location information, received location information with the presentation module; and

presenting shared queried location information to emergency operators through the user interface.

18. **(Original)** The method of claim 17, wherein querying wireless mobile devices for location information includes accessing, through an application programming interface

(API) function, one or both of global positioning system (GPS) information and/or geolocation information.

19. (**Currently Amended**) The method of claim [[12]] 17, further comprising:  
receiving textual messages from wireless mobile devices through the second communications network.

20. (**Original**) The method of claim 19, further comprising:  
present received textual messages through the user interface.

21. (**Cancelled**)

22. (**Cancelled**)

23. (**Cancelled**)

## **REMARKS**

By this paper, claims 3, 5-7, 9, 13, 15-17, and 19 are amended; no claims are newly added; and claims 1, 2, 11, 12, and 21-23 are cancelled without prejudice and without disclaimer. Accordingly, claims 3-10 and 13-20 are all of the pending claims. Support for the amendments presented above is provided throughout the specification and claims as originally filed. Applicants expressly reserve the right to prosecute the subject matter of the unamended and/or cancelled claims, or any other subject matter supported by the Specification, in one or more continuation applications. In view of the foregoing amendments and the following remarks, reconsideration and allowance of all the pending claims is anticipated.

### ***Prior Art Rejections Under 35 U.S.C. §§ 102 & 103***

Claims 6 and 16 currently stand rejected under 35 U.S.C. § 102(a)(1) as allegedly being anticipated by U.S. Patent Application Publication No. 2010/0261492 to Salafia (“Salafia”); claims 3, 4, 9, 10, 13, 14, 19, and 20 currently stand rejected under 35 U.S.C. § 103 as allegedly being unpatentable over Salafia in view of U.S. Patent Application Publication No. 2010/0220840 to Ray, *et al.* (“Ray”); and claims 5 and 15 currently stand rejected under 35 U.S.C. § 103 as allegedly being unpatentable over Salafia in view of U.S. Patent Application Publication No. 2014/0007158 to Bhagwat (“Bhagwat”). Applicants expressly reserve the right to challenge the analogousness of any of the cited references. Applicants respectfully traverse the rejections under §§ 102 and 103.

However, without acknowledging the propriety of the rejections and solely to expedite prosecution, the claims have been amended to depend from allowable claims, as discussed further below. Accordingly, applicants respectfully request that the prior art rejections of claims 3-6, 9, 10, 13-16, 19, and 20 be withdrawn.

***Allowable Subject Matter***

Applicant appreciates the Office Action's acknowledgment that claims 7, 8, 17, and 18 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. [See Office Action, p. 14.] Accordingly, claims 7 and 17 have been rewritten in independent form including all of the limitations of the base claim and any intervening claims. The remaining claims have been either cancelled or amended to depend from one of claims 7 or 17. Accordingly, all of the pending claims are allowable.

***CONCLUSION***

Having addressed each of the foregoing objections and rejections, it is respectfully submitted that a full and complete response has been made to the outstanding Office Action and, as such, the application is in condition for allowance. Notice to that effect is anticipated.

If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Date: September 11, 2015

Respectfully submitted,

By: / Ian C. Schick, Ph.D./  
Ian C. Schick, Ph.D.  
Reg. No. 63,293

**Customer No. 00909**

PILLSBURY WINTHROP SHAW PITTMAN LLP  
1650 Tysons Boulevard  
McLean, Virginia 22102  
619-234-5000

| Electronic Acknowledgement Receipt   |                                      |
|--------------------------------------|--------------------------------------|
| EFS ID:                              | 23474456                             |
| Application Number:                  | 13972843                             |
| International Application Number:    |                                      |
| Confirmation Number:                 | 1075                                 |
| Title of Invention:                  | SMS COMMUNICATION DURING EMERGENCIES |
| First Named Inventor/Applicant Name: | David J. Leggett                     |
| Customer Number:                     | 909                                  |
| Filer:                               | Ian Carl Schick/angelica zepeda      |
| Filer Authorized By:                 | Ian Carl Schick                      |
| Attorney Docket Number:              | 058377-0423891                       |
| Receipt Date:                        | 11-SEP-2015                          |
| Filing Date:                         | 21-AUG-2013                          |
| Time Stamp:                          | 21:09:59                             |
| Application Type:                    | Utility under 35 USC 111(a)          |

### Payment information:

| Submitted with Payment |                      | no                           |                                                   |                  |                  |
|------------------------|----------------------|------------------------------|---------------------------------------------------|------------------|------------------|
| <b>File Listing:</b>   |                      |                              |                                                   |                  |                  |
| Document Number        | Document Description | File Name                    | File Size(Bytes)/<br>Message Digest               | Multi Part /.zip | Pages (if appl.) |
| 1                      |                      | 058377-0423891_amendment.pdf | 51984<br>dbc1af9d42f16649c49a5266b8e3867f89ed1718 | yes              | 9                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |       |     |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Document Description                                  | Start | End |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Amendment/Req. Reconsideration-After Non-Final Reject | 1     | 1   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Claims                                                | 2     | 7   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Applicant Arguments/Remarks Made in an Amendment      | 8     | 9   |
| Warnings:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |       |     |
| Information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |       |     |
| Total Files Size (in bytes):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | 51984 |     |
| <p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                                                       |       |     |

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| PATENT APPLICATION FEE DETERMINATION RECORD                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                               |                                  |       | Application or Docket Number       |               | Filing Date |  | <input type="checkbox"/> To be Mailed |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------|------------------------------------|---------------|-------------|--|---------------------------------------|--|
| Substitute for Form PTO-875                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                               |                                  |       | 13/972,843                         |               | 08/21/2013  |  |                                       |  |
| ENTITY: <input checked="" type="checkbox"/> LARGE <input type="checkbox"/> SMALL <input type="checkbox"/> MICRO                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                               |                                  |       |                                    |               |             |  |                                       |  |
| APPLICATION AS FILED – PART I                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                               |                                  |       |                                    |               |             |  |                                       |  |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                               | (Column 2)                       |       |                                    |               |             |  |                                       |  |
| FOR                                                                                                                                                                                                                                                                                                                                                                                                               | NUMBER FILED                                                                                                                                                                                                                  | NUMBER EXTRA                     |       | RATE (\$)                          |               | FEE (\$)    |  |                                       |  |
| <input type="checkbox"/> BASIC FEE<br>(37 CFR 1.16(a), (b), or (c))                                                                                                                                                                                                                                                                                                                                               | N/A                                                                                                                                                                                                                           | N/A                              |       | N/A                                |               |             |  |                                       |  |
| <input type="checkbox"/> SEARCH FEE<br>(37 CFR 1.16(k), (i), or (m))                                                                                                                                                                                                                                                                                                                                              | N/A                                                                                                                                                                                                                           | N/A                              |       | N/A                                |               |             |  |                                       |  |
| <input type="checkbox"/> EXAMINATION FEE<br>(37 CFR 1.16(o), (p), or (q))                                                                                                                                                                                                                                                                                                                                         | N/A                                                                                                                                                                                                                           | N/A                              |       | N/A                                |               |             |  |                                       |  |
| TOTAL CLAIMS<br>(37 CFR 1.16(i))                                                                                                                                                                                                                                                                                                                                                                                  | minus 20 =                                                                                                                                                                                                                    | *                                |       | X \$ =                             |               |             |  |                                       |  |
| INDEPENDENT CLAIMS<br>(37 CFR 1.16(h))                                                                                                                                                                                                                                                                                                                                                                            | minus 3 =                                                                                                                                                                                                                     | *                                |       | X \$ =                             |               |             |  |                                       |  |
| <input type="checkbox"/> APPLICATION SIZE FEE<br>(37 CFR 1.16(s))                                                                                                                                                                                                                                                                                                                                                 | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |                                  |       |                                    |               |             |  |                                       |  |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                               |                                  |       |                                    |               |             |  |                                       |  |
| * If the difference in column 1 is less than zero, enter "0" in column 2.                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               |                                  |       | TOTAL                              |               |             |  |                                       |  |
| APPLICATION AS AMENDED – PART II                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                               |                                  |       |                                    |               |             |  |                                       |  |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                               | (Column 2)                       |       | (Column 3)                         |               |             |  |                                       |  |
| AMENDMENT                                                                                                                                                                                                                                                                                                                                                                                                         | 09/11/2015                                                                                                                                                                                                                    | CLAIMS REMAINING AFTER AMENDMENT |       | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$)   |  | ADDITIONAL FEE (\$)                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Total (37 CFR 1.16(i))                                                                                                                                                                                                        | * 16                             | Minus | ** 23                              | = 0           | X \$80 =    |  | 0                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Independent (37 CFR 1.16(h))                                                                                                                                                                                                  | * 2                              | Minus | ***5                               | = 0           | X \$420 =   |  | 0                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))                                                                                                                                                                |                                  |       |                                    |               |             |  |                                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))                                                                                                                                      |                                  |       |                                    |               |             |  |                                       |  |
| TOTAL ADD'L FEE                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                               |                                  |       |                                    |               | 0           |  |                                       |  |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                               | (Column 2)                       |       | (Column 3)                         |               |             |  |                                       |  |
| AMENDMENT                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               | CLAIMS REMAINING AFTER AMENDMENT |       | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE (\$)   |  | ADDITIONAL FEE (\$)                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Total (37 CFR 1.16(i))                                                                                                                                                                                                        | *                                | Minus | **                                 | =             | X \$ =      |  |                                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | Independent (37 CFR 1.16(h))                                                                                                                                                                                                  | *                                | Minus | ***                                | =             | X \$ =      |  |                                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))                                                                                                                                                                |                                  |       |                                    |               |             |  |                                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))                                                                                                                                      |                                  |       |                                    |               |             |  |                                       |  |
| TOTAL ADD'L FEE                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                               |                                  |       |                                    |               |             |  |                                       |  |
| * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.<br>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".<br>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".<br>The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. |                                                                                                                                                                                                                               |                                  |       |                                    |               |             |  |                                       |  |

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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## NOTICE OF ALLOWANCE AND FEE(S) DUE

909 7590 12/18/2015  
Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

EXAMINER

ZHANG, XIANG

ART UNIT

PAPER NUMBER

2641

DATE MAILED: 12/18/2015

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 13/972,843      | 08/21/2013  | David J. Leggett     | 058377-0423891      | 1075             |

TITLE OF INVENTION: SMS COMMUNICATION DURING EMERGENCIES

| APPLN. TYPE    | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | UNDISCOUNTED  | \$960         | \$0                 | \$0                  | \$960            | 03/18/2016 |

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

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I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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909 7590 12/18/2015  
Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

|                    |
|--------------------|
| (Depositor's name) |
| (Signature)        |
| (Date)             |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 13/972,843      | 08/21/2013  | David J. Leggett     | 058377-0423891      | 1075             |

TITLE OF INVENTION: SMS COMMUNICATION DURING EMERGENCIES

| APPLN. TYPE    | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | UNDISCOUNTED  | \$960         | \$0                 | \$0                  | \$960            | 03/18/2016 |

| EXAMINER     | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| ZHANG, XIANG | 2641     | 455-404200     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_
- 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

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5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

**NOTE:** Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

**NOTE:** If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

**NOTE:** Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

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Registration No. \_\_\_\_\_



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| APPLICATION NO.                           | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-------------------------------------------|-------------|----------------------|---------------------|------------------|
| 13/972,843                                | 08/21/2013  | David J. Leggett     | 058377-0423891      | 1075             |
| 909                                       | 7590        | 12/18/2015           | EXAMINER            |                  |
| Pillsbury Winthrop Shaw Pittman, LLP (NV) |             |                      | ZHANG, XIANG        |                  |
| PO Box 10500                              |             |                      | ART UNIT            |                  |
| McLean, VA 22102                          |             |                      | PAPER NUMBER        |                  |

2641

DATE MAILED: 12/18/2015

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)** (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## Privacy Act Statement

**The Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

|                               |                                      |                                       |                                                   |
|-------------------------------|--------------------------------------|---------------------------------------|---------------------------------------------------|
| <b>Notice of Allowability</b> | <b>Application No.</b><br>13/972,843 | <b>Applicant(s)</b><br>LEGGETT ET AL. |                                                   |
|                               | <b>Examiner</b><br>EDWARD ZHANG      | <b>Art Unit</b><br>2641               | <b>AIA (First Inventor to File) Status</b><br>Yes |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/11/2015.  
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on \_\_\_\_\_.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_\_; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 3-10 and 13-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see [http://www.uspto.gov/patents/init\\_events/pph/index.jsp](http://www.uspto.gov/patents/init_events/pph/index.jsp) or send an inquiry to [PPHfeedback@uspto.gov](mailto:PPHfeedback@uspto.gov).

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
**Certified copies:**  
a) ☐ All    b) ☐ Some    \*c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  
\* Certified copies not received: \_\_\_\_\_.

Applicant has **THREE MONTHS FROM THE "MAILING DATE"** of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in **ABANDONMENT** of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ **CORRECTED DRAWINGS** ( as "replacement sheets") must be submitted.  
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**

6. ☐ **DEPOSIT OF and/or INFORMATION** about the deposit of **BIOLOGICAL MATERIAL** must be submitted. Note the attached Examiner's comment regarding **REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL**.

**Attachment(s)**

|                                                                                                            |                                                                                      |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)                                           | 5. <input type="checkbox"/> Examiner's Amendment/Comment                             |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 7. <input type="checkbox"/> Other _____.                                             |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____.                     |                                                                                      |

|                                          |  |
|------------------------------------------|--|
| /Xiang Zhang/<br>Patent Examiner, WG2641 |  |
|------------------------------------------|--|

## **DETAILED ACTION**

### **Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The examiner has noticed a typographical error in claim 17 regarding improper punctuation mark and therefore the examiner's amendment is being made as shown below to correct the error (see highlighted).

The application has been amended as follows:

17. (currently amended) A computer-implemented method for providing, to emergency operators, communication through textual messages, the method being performed by one or more processors configured to execute computer program modules, the method comprising:

receiving incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call from a first wireless mobile device;

generating outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first

outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call;

transmitting the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network;

presenting incoming emergency voice calls to emergency operators through a user interface, wherein the user interface includes a set of user-selectable options;

receiving user input from emergency operators to select one or more of the set of user-selectable options; querying, through web resources, wireless mobile devices for location information;

sharing, responsive to receipt of location information, received location information with the presentation module;

and presenting shared queried location information to emergency operators through the user interface.

***Allowable Subject Matter***

1. Claims 3-10, 13-20 are allowed.
2. The following is an examiner's reason for allowance:

Regarding claim 3-10, and 13-20, Salafia (US PGPub 2010/0261492 A1) teaches a system and a computer-implemented method configured to provide, to emergency

operators, communication through textual messages, comprising: one or more processors configured to execute computer program modules, the computer program modules comprising: a call reception module configured to receive incoming emergency voice calls being placed to an emergency call center through an emergency communications network from wireless mobile devices, the incoming emergency voice calls including a first voice call placed from a first wireless mobile device; and a transmission module configured to transmit the outgoing textual messages to the appropriate wireless mobile devices through a second communications network that is different than the emergency communications network such that the first outgoing textual message is transmitted to the first wireless mobile device through the second communications network.

However, the prior art of record of Salafia lacks the teaching of “an outgoing message module configured to generate outgoing textual messages for transmission to wireless mobile devices from which incoming emergency voice calls are received such that a first outgoing textual message is generated for transmission to the first wireless mobile device based on the first voice call”, and “share, responsive to receipt of location information, received location information with the presentation module”.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to XIANG ZHANG whose telephone number is (571)270-7693. The examiner can normally be reached on Monday-Thursday, 8AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah, can be reached on (571)272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/XIANG ZHANG/  
Patent Examiner, Art Unit 2641

Application/Control Number: 13/972,843

Page 6

Art Unit: 2641

/MAZDA SABOURI/

Primary Examiner, Art Unit 2641

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits    | Search Query                                                                                                                                                                                                                                                                                                                                                                                       | DBs                                         | Default Operator | Plurals | Time Stamp       |
|-------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|---------|------------------|
| L1    | 5108    | 455/404.1,520.ccls.                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:35 |
| L2    | 5108    | L1                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:35 |
| L3    | 185001  | (emergency.ab. emergency.ti.) 1                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:36 |
| L4    | 13636   | 3 and (455/\$.ccls. 709/\$.ccls. 705/\$.ccls. 340/\$.ccls.)                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:37 |
| L5    | 1904568 | ((mobile or telecommunication or wireless or cellular or cell) adj (station or apparatus or terminal or device or client or node phone)) or wtru or plmn or ue or (user adj equipment) pda<br>((mobile or telecommunication or wireless or cellular or cell) adj (stations or apparatuses or terminals or devices or clients nodes phones)) or wtrus or plmns or ues or (user adj equipments) pdas | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:38 |
| L6    | 37      | ("455".clas. "379".clas. "709".clas.) and (emergency with ((quer\$6 request\$3 retriev\$5) near3 (location position near4 L5)) and ((location position coordinate) near5 (broadcast\$5 shar\$6))                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:38 |
| L7    | 37      | L6                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:38 |
| L8    | 112     | ((("voice-to-text" "voice to text") with 5)                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2015/12/07 22:40 |
| L9    | 10      | ("455".clas. "379".clas. "709".clas.) and 8 and (emergency "e911" "e-911")                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;                         | OR               | OFF     | 2015/12/07 22:40 |

|     |      |                                                                                                                |                                                 |    |     |                     |
|-----|------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|---------------------|
|     |      |                                                                                                                | EPO; JPO;<br>DERWENT                            |    |     |                     |
| L10 | 5    | 9 and (location position) and (url<br>"resource locator" link)                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>22:44 |
| L11 | 0    | 9 and ((broadcast\$4 shar\$4 known)<br>near6 (location position)) and (url<br>"resource locator" link)         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>22:48 |
| L12 | 5238 | (emergency disaster fire earthquake)<br>same ((broadcast\$4 shar\$4 known)<br>near6 (location position))       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:01 |
| L13 | 1787 | ("455".clas. "379".clas. "709".clas.) and<br>12                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:01 |
| L14 | 188  | ("455".clas. "379".clas. "709".clas.) and<br>(12 same (operator "emergency<br>network"))                       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:02 |
| L15 | 168  | ("455".clas. ) and (12 same (operator<br>"emergency network"))                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:02 |
| L16 | 4756 | ((340/\$.ccls. 455/\$.ccls. 379/\$.ccls.<br>709/\$.ccls.) and (emergency.ab.<br>emergency.ti.))455/404.1.ccls. | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:28 |
| L17 | 263  | 16 and (455/552.1,553.1.ccls.<br>(multi\$mode multimode multiprotocol<br>multi\$rat multirat))                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:29 |
| L18 | 0    | ((("voice-to-text" "voice to text") with 5)<br>and 17                                                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:29 |
| L19 | 0    | ((("voice-to-text" "voice to text") same<br>5) and 17                                                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:30 |
| L20 | 3    | ((("voice-to-text" "voice to text") ) and<br>17                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:35 |
| L21 | 10   | 12 and 17                                                                                                      | US-<br>PGPUB;<br>USPAT;                         | OR | OFF | 2015/12/07<br>23:35 |

|     |       |                                                                                                                                             |                                                 |    |     |                     |
|-----|-------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----|-----|---------------------|
|     |       |                                                                                                                                             | EPO; JPO;<br>DERWENT                            |    |     |                     |
| L22 | 13    | (20 21)                                                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/07<br>23:35 |
| L23 | 52161 | ( (H04W4/22 OR H04W76/007 OR<br>H04W88/06 OR H04W64/00 OR<br>H04L69/08 OR H04L67/18 OR<br>H04M1/72536 OR G08B25/016 OR<br>H04H20/59).CPC. ) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/08<br>00:11 |
| L24 | 12    | (("voice-to-text" "voice to text") with 5)<br>and 23                                                                                        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/08<br>00:15 |
| L29 | 13    | ((David) near2 (Leggett)).INV.                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:32 |
| L30 | 40    | ((Christopher) near2 (Maloney)).INV.                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:33 |
| L31 | 88    | ((Scott) near2 (MacDonald)).INV.                                                                                                            | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:33 |
| L32 | 113   | ((Mark) near2 (Hamilton)).INV.                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:33 |
| L33 | 1     | ((Erik) near2 (Loberg)).INV.                                                                                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:34 |
| L34 | 2     | ((Chen-Lu) near2 (Meng)).INV.                                                                                                               | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:34 |
| L35 | 40    | ((Christopher) near2 (Maloney)).INV.                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:36 |
| L36 | 1     | ((Erik) near2 (Loberg)).INV.                                                                                                                | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:37 |
| L37 | 21    | ((Ken) near2 (Martin)).INV.                                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2015/12/08<br>00:38 |
| L40 | 1     | (29 30 31 32 33 34 35) and (emergency<br>adj voice with call\$ same center)                                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2015/12/08<br>00:42 |

**EAST Search History (Interference)**

| Ref # | Hits   | Search Query                                                                                                                                                                                                                                                                                                                                                                                      | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|---------|------------------|
| L25   | 15871  | ( (H04W4/22 OR H04W76/007 OR H04W88/06 OR H04W64/00 OR H04L69/08 OR H04L67/18 OR H04M1/72536 OR G08B25/016 OR H04H20/59).CPC. )                                                                                                                                                                                                                                                                   | USPAT           | OR               | OFF     | 2015/12/08 00:28 |
| L26   | 2      | (( "voice-to-text" "voice to text" ) with "5" ) and 25                                                                                                                                                                                                                                                                                                                                            | USPAT           | OR               | OFF     | 2015/12/08 00:29 |
| L27   | 452790 | (( (mobile or telecommunication or wireless or cellular or cell) adj (station or apparatus or terminal or device or client or node phone)) or wtru or plmn or ue or (user adj equipment) pda ((mobile or telecommunication or wireless or cellular or cell) adj (stations or apparatuses or terminals or devices or clients nodes phones)) or wtrus or plmns or ues or (user adj equipments) pdas | USPAT           | OR               | OFF     | 2015/12/08 00:29 |
| L28   | 3      | (( "voice-to-text" "voice to text" ) with 27) and 25                                                                                                                                                                                                                                                                                                                                              | USPAT           | OR               | OFF     | 2015/12/08 00:30 |
| L38   | 8      | ("29" "30" "31" "32" "33" "34" "35") and (emergency adj voice with call\$ same center).clm.                                                                                                                                                                                                                                                                                                       | USPAT           | OR               | OFF     | 2015/12/08 00:40 |
| L39   | 45     | ("29" "30" "31" "32" "33" "34" "35") and (emergency adj voice with call\$ same center)                                                                                                                                                                                                                                                                                                            | US-PGPUB; USPAT | OR               | OFF     | 2015/12/08 00:41 |

**12/ 8/ 2015 12:42:46 AM****C:\ Users\ xzhang\ Documents\ EAST\ Workspaces\ 13972843.wsp**

|                                                                                                                  |                                            |                                                                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>13972843 | <b>Applicant(s)/Patent Under Reexamination</b><br>LEGGETT ET AL. |
|                                                                                                                  | <b>Examiner</b><br>EDWARD ZHANG            | <b>Art Unit</b><br>2641                                          |

| CPC    |  |   |  |    |      |            |
|--------|--|---|--|----|------|------------|
| Symbol |  |   |  |    | Type | Version    |
| H04W   |  | 4 |  | 22 | F    | 2013-01-01 |
| H04W   |  | 4 |  | 02 | I    | 2013-01-01 |
| H04W   |  | 4 |  | 14 | I    | 2013-01-01 |
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| CPC Combination Sets |  |  |      |     |         |         |
|----------------------|--|--|------|-----|---------|---------|
| Symbol               |  |  | Type | Set | Ranking | Version |
|                      |  |  |      |     |         |         |
|                      |  |  |      |     |         |         |

|                                                                      |                          |                                        |                            |
|----------------------------------------------------------------------|--------------------------|----------------------------------------|----------------------------|
| /EDWARD ZHANG/<br>Examiner.Art Unit 2641<br><br>(Assistant Examiner) | 12/08/2015<br><br>(Date) | <b>Total Claims Allowed:</b><br><br>16 |                            |
| (Primary Examiner)                                                   | (Date)                   | O.G. Print Claim(s)<br><br>1           | O.G. Print Figure<br><br>3 |



|                                                                                                                  |                                            |                                                                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>13972843 | <b>Applicant(s)/Patent Under Reexamination</b><br>LEGGETT ET AL. |
|                                                                                                                  | <b>Examiner</b><br>EDWARD ZHANG            | <b>Art Unit</b><br>2641                                          |

| <input type="checkbox"/> <b>Claims renumbered in the same order as presented by applicant</b> |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          | <input type="checkbox"/> <b>CPA</b> |  | <input type="checkbox"/> <b>T.D.</b> |  | <input type="checkbox"/> <b>R.1.47</b> |  |
|-----------------------------------------------------------------------------------------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------------------------------------|--|--------------------------------------|--|----------------------------------------|--|
| Final                                                                                         | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original |                                     |  |                                      |  |                                        |  |
|                                                                                               | 1        | 13    | 17       |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
|                                                                                               | 2        | 14    | 18       |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 1                                                                                             | 3        | 15    | 19       |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 2                                                                                             | 4        | 16    | 20       |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 3                                                                                             | 5        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 4                                                                                             | 6        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 5                                                                                             | 7        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 6                                                                                             | 8        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 7                                                                                             | 9        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 8                                                                                             | 10       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
|                                                                                               | 11       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
|                                                                                               | 12       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 9                                                                                             | 13       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 10                                                                                            | 14       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 11                                                                                            | 15       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |
| 12                                                                                            | 16       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |                                     |  |                                      |  |                                        |  |

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|----------------------------------------------------------------------|--|--------------------------|----------------------------------------|----------------------------|
| /EDWARD ZHANG/<br>Examiner.Art Unit 2641<br><br>(Assistant Examiner) |  | 12/08/2015<br><br>(Date) | <b>Total Claims Allowed:</b><br><br>16 |                            |
| (Primary Examiner)                                                   |  | (Date)                   | O.G. Print Claim(s)<br><br>1           | O.G. Print Figure<br><br>3 |



## UNITED STATES PATENT AND TRADEMARK OFFICE

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## BIB DATA SHEET

CONFIRMATION NO. 1075

| SERIAL NUMBER                                                                                                                                                                                                                                                                                                                                                           | FILING or 371(c)<br>DATE                                                                                          | CLASS                                                    | GROUP ART UNIT                           | ATTORNEY DOCKET<br>NO.                                                                                                                                                                                                                                                    |                               |                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|
| 13/972,843                                                                                                                                                                                                                                                                                                                                                              | 08/21/2013                                                                                                        | 455                                                      | 2641                                     | 058377-0423891                                                                                                                                                                                                                                                            |                               |                                    |
| <b>APPLICANTS</b><br>TRITECH SOFTWARE SYSTEMS, San Diego, CA;<br><b>INVENTORS</b><br>David J. Leggett, Hope Island, AUSTRALIA;<br>Christopher David Maloney, Rancho Santa Fe, CA;<br>Scott Michael MacDonald, Norfolk, MA;<br>Mark David Hamilton, San Diego, CA;<br>Erik Christian Loberg, Carlsbad, CA;<br>Chen-Lu Meng, San Diego, CA;<br>Ken D. Martin, Golden, CO; |                                                                                                                   |                                                          |                                          |                                                                                                                                                                                                                                                                           |                               |                                    |
| <b>** CONTINUING DATA *****</b><br><b>** FOREIGN APPLICATIONS *****</b><br><b>** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **</b><br>09/11/2013                                                                                                                                                                                                                       |                                                                                                                   |                                                          |                                          |                                                                                                                                                                                                                                                                           |                               |                                    |
| Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Verified and /EDWARD ZHANG/<br>Acknowledged Examiner's Signature                                                                                                  |                                                                                                                   | <input type="checkbox"/> Met after Allowance<br>Initials | <b>STATE OR<br/>COUNTRY</b><br>AUSTRALIA | <b>SHEETS<br/>DRAWINGS</b><br>7                                                                                                                                                                                                                                           | <b>TOTAL<br/>CLAIMS</b><br>23 | <b>INDEPENDENT<br/>CLAIMS</b><br>5 |
| <b>ADDRESS</b><br>Pillsbury Winthrop Shaw Pittman, LLP (NV)<br>PO Box 10500<br>McLean, VA 22102<br>UNITED STATES                                                                                                                                                                                                                                                        |                                                                                                                   |                                                          |                                          |                                                                                                                                                                                                                                                                           |                               |                                    |
| <b>TITLE</b><br>SMS COMMUNICATION DURING EMERGENCIES                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |                                                          |                                          |                                                                                                                                                                                                                                                                           |                               |                                    |
| <b>FILING FEE<br/>RECEIVED</b><br>2960                                                                                                                                                                                                                                                                                                                                  | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: |                                                          |                                          | <input type="checkbox"/> All Fees<br><input type="checkbox"/> 1.16 Fees (Filing)<br><input type="checkbox"/> 1.17 Fees (Processing Ext. of time)<br><input type="checkbox"/> 1.18 Fees (Issue)<br><input type="checkbox"/> Other _____<br><input type="checkbox"/> Credit |                               |                                    |

|                                                                                                                     |                                                |                                                                     |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------|
| <b><i>Search Notes</i></b><br><br> | <b>Application/Control No.</b><br><br>13972843 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>LEGETT ET AL. |
|                                                                                                                     | <b>Examiner</b><br><br>EDWARD ZHANG            | <b>Art Unit</b><br><br>2641                                         |

| CPC- SEARCHED                                                                                                        |            |          |
|----------------------------------------------------------------------------------------------------------------------|------------|----------|
| Symbol                                                                                                               | Date       | Examiner |
| H04W4/22 OR H04W76/007 OR H04W88/06 OR H04W64/00 OR H04L69/08 OR H04L67/18 OR H04M1/72536 OR G08B25/016 OR H04H20/59 | 12/08/2015 | X.Z      |

| CPC COMBINATION SETS - SEARCHED                               |            |          |
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| Symbol                                                        | Date       | Examiner |
| (( "voice-to-text" "voice to text" ) with (mobile adj device) | 12/08/2015 | x.Z      |

| US CLASSIFICATION SEARCHED |          |      |          |
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| Class                      | Subclass | Date | Examiner |
|                            |          |      |          |

| SEARCH NOTES                      |            |          |
|-----------------------------------|------------|----------|
| Search Notes                      | Date       | Examiner |
| Consulted search POC Mehmood Khan | 05/23/2015 | X.Z      |
| See East Search Notes             | 05/16/2015 | X.Z      |
| See East Search Notes             | 12/8/2015  | X.Z      |

| INTERFERENCE SEARCH     |                         |      |          |
|-------------------------|-------------------------|------|----------|
| US Class/<br>CPC Symbol | US Subclass / CPC Group | Date | Examiner |
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| INTERFERENCE SEARCH                                                                                                                                      |                         |            |          |
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| US Class/<br>CPC Symbol                                                                                                                                  | US Subclass / CPC Group | Date       | Examiner |
| H04W4/22 OR<br>H04W76/007<br>OR<br>H04W88/06<br>OR<br>H04W64/00<br>OR H04L69/08<br>OR H04L67/18<br>OR<br>H04M1/72536<br>OR<br>G08B25/016<br>OR H04H20/59 |                         | 12/08/2015 | X.Z      |

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| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>13972843 | <b>Applicant(s)/Patent Under Reexamination</b><br>LEGGETT ET AL. |
|                                                                                                                  | <b>Examiner</b><br>EDWARD ZHANG            | <b>Art Unit</b><br>2641                                          |

| CPC    |  |   |  |    |      |            |
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| Symbol |  |   |  |    | Type | Version    |
| H04W   |  | 4 |  | 22 | F    | 2013-01-01 |
| H04W   |  | 4 |  | 02 | I    | 2013-01-01 |
| H04W   |  | 4 |  | 14 | I    | 2013-01-01 |
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|----------------------------------------------------------------------|--------------------------|----------------------------------------|----------------------------|
| /EDWARD ZHANG/<br>Examiner.Art Unit 2641<br><br>(Assistant Examiner) | 12/20/2016<br><br>(Date) | <b>Total Claims Allowed:</b><br><br>16 |                            |
| (Primary Examiner)                                                   | (Date)                   | O.G. Print Claim(s)<br><br>1           | O.G. Print Figure<br><br>3 |



|                                                                                                                  |                                            |                                                                  |
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| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>13972843 | <b>Applicant(s)/Patent Under Reexamination</b><br>LEGGETT ET AL. |
|                                                                                                                  | <b>Examiner</b><br>EDWARD ZHANG            | <b>Art Unit</b><br>2641                                          |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47 |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| Final                                                                                                                                                                             | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original |
|                                                                                                                                                                                   | 1        | 9     | 17       |       |          |       |          |       |          |       |          |       |          |       |          |
|                                                                                                                                                                                   | 2        | 14    | 18       |       |          |       |          |       |          |       |          |       |          |       |          |
| 2                                                                                                                                                                                 | 3        | 15    | 19       |       |          |       |          |       |          |       |          |       |          |       |          |
| 3                                                                                                                                                                                 | 4        | 16    | 20       |       |          |       |          |       |          |       |          |       |          |       |          |
| 4                                                                                                                                                                                 | 5        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 5                                                                                                                                                                                 | 6        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 1                                                                                                                                                                                 | 7        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 8                                                                                                                                                                                 | 8        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 6                                                                                                                                                                                 | 9        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 7                                                                                                                                                                                 | 10       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
|                                                                                                                                                                                   | 11       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
|                                                                                                                                                                                   | 12       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 10                                                                                                                                                                                | 13       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 11                                                                                                                                                                                | 14       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 12                                                                                                                                                                                | 15       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 13                                                                                                                                                                                | 16       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |

|                                                                      |                          |                                        |                            |
|----------------------------------------------------------------------|--------------------------|----------------------------------------|----------------------------|
| /EDWARD ZHANG/<br>Examiner.Art Unit 2641<br><br>(Assistant Examiner) | 12/20/2016<br><br>(Date) | <b>Total Claims Allowed:</b><br><br>16 |                            |
| (Primary Examiner)                                                   | (Date)                   | O.G. Print Claim(s)<br><br>1           | O.G. Print Figure<br><br>3 |

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

909 7590 12/18/2015  
Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

|                    |
|--------------------|
| (Depositor's name) |
| (Signature)        |
| (Date)             |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 13/972,843      | 08/21/2013  | David J. Leggett     | 058377-0423891      | 1075             |

TITLE OF INVENTION: SMS COMMUNICATION DURING EMERGENCIES

| APPLN. TYPE    | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | UNDISCOUNTED  | \$960         | \$0                 | \$0                  | \$960            | 03/18/2016 |

| EXAMINER     | ART UNIT | CLASS-SUBCLASS |
|--------------|----------|----------------|
| ZHANG, XIANG | 2641     | 455-404200     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Pillsbury Winthrop  
2 Shaw Pittman LLP  
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

TRITECH SOFTWARE SYSTEMS

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

SAN DIEGO, CALIFORNIA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 033975 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Ian C. Schick, Ph.D./

Date February 17, 2016

Typed or printed name Ian C. Schick, Ph.D.

Registration No. 63,293

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS : David J. Leggett *et al.*                      CONF. No.: 1075  
SERIAL NUMBER : 13/972,843                                      EXAMINER: Zhang, Xiang  
FILING DATE : August 21, 2013                                      ART UNIT: 2641  
FOR : SMS COMMUNICATION DURING EMERGENCIES

**COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

A statement of "Reasons for Allowance" was attached to the Notice of Allowance mailed December 18, 2015, for the above-identified application.

The Applicants appreciate the Allowance of claims 3-10 and 13-20 of the present application, but note that other bases for patentability exist, and that the Examiner's "Reasons For Allowance" is not exhaustive and should not be viewed as limiting.

## CONCLUSION

It is believed that no fees are due in connection with the filing of this paper. In the event that it is determined that fees are due, however, the Director is hereby authorized to charge the undersigned's Deposit Account No. 033975 (Ref. No. 058377-0423891).

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP

Customer No.  
00909

By: /Ian C. Schick, Ph.D./  
Ian C. Schick, Ph.D.  
Registration No.: 63,293

P. O. Box 10500  
McLean, Virginia 22102  
Telephone: (703) 770-7900  
Telefax: (703) 770-7901

Dated: February 17, 2016

| Electronic Patent Application Fee Transmittal |          |                                      |        |                      |
|-----------------------------------------------|----------|--------------------------------------|--------|----------------------|
| Application Number:                           |          | 13972843                             |        |                      |
| Filing Date:                                  |          | 21-Aug-2013                          |        |                      |
| Title of Invention:                           |          | SMS COMMUNICATION DURING EMERGENCIES |        |                      |
| First Named Inventor/Applicant Name:          |          | David J. Leggett                     |        |                      |
| Filer:                                        |          | Ian Carl Schick/Jennifer Dolan       |        |                      |
| Attorney Docket Number:                       |          | 058377-0423891                       |        |                      |
| Filed as Large Entity                         |          |                                      |        |                      |
| Filing Fees for Utility under 35 USC 111(a)   |          |                                      |        |                      |
| Description                                   | Fee Code | Quantity                             | Amount | Sub-Total in USD(\$) |
| Basic Filing:                                 |          |                                      |        |                      |
| Pages:                                        |          |                                      |        |                      |
| Claims:                                       |          |                                      |        |                      |
| Miscellaneous-Filing:                         |          |                                      |        |                      |
| Petition:                                     |          |                                      |        |                      |
| Patent-Appeals-and-Interference:              |          |                                      |        |                      |
| Post-Allowance-and-Post-Issuance:             |          |                                      |        |                      |
| Utility Appl Issue Fee                        | 1501     | 1                                    | 960    | 960                  |

| Description        | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--------------------|----------|----------|--------|----------------------|
| Extension-of-Time: |          |          |        |                      |
| Miscellaneous:     |          |          |        |                      |
| Total in USD (\$)  |          |          |        | 960                  |

| Electronic Acknowledgement Receipt          |                                      |
|---------------------------------------------|--------------------------------------|
| <b>EFS ID:</b>                              | 24944246                             |
| <b>Application Number:</b>                  | 13972843                             |
| <b>International Application Number:</b>    |                                      |
| <b>Confirmation Number:</b>                 | 1075                                 |
| <b>Title of Invention:</b>                  | SMS COMMUNICATION DURING EMERGENCIES |
| <b>First Named Inventor/Applicant Name:</b> | David J. Leggett                     |
| <b>Customer Number:</b>                     | 909                                  |
| <b>Filer:</b>                               | Ian Carl Schick/Jennifer Dolan       |
| <b>Filer Authorized By:</b>                 | Ian Carl Schick                      |
| <b>Attorney Docket Number:</b>              | 058377-0423891                       |
| <b>Receipt Date:</b>                        | 17-FEB-2016                          |
| <b>Filing Date:</b>                         | 21-AUG-2013                          |
| <b>Time Stamp:</b>                          | 22:02:00                             |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)          |

### Payment information:

|                                                                                                                                                                                                                                                                                                                                                     |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Submitted with Payment                                                                                                                                                                                                                                                                                                                              | yes             |
| Payment Type                                                                                                                                                                                                                                                                                                                                        | Deposit Account |
| Payment was successfully received in RAM                                                                                                                                                                                                                                                                                                            | \$960           |
| RAM confirmation Number                                                                                                                                                                                                                                                                                                                             | 9733            |
| Deposit Account                                                                                                                                                                                                                                                                                                                                     | 033975          |
| Authorized User                                                                                                                                                                                                                                                                                                                                     | SCHICK, IAN C.  |
| The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:<br>Charge any Additional Fees required under 37 CFR 1.16 (National application filing, search, and examination fees)<br>Charge any Additional Fees required under 37 CFR 1.17 (Patent application and reexamination processing fees) |                 |

Charge any Additional Fees required under 37 CFR 1.19 (Document supply fees)

Charge any Additional Fees required under 37 CFR 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 CFR 1.21 (Miscellaneous fees and charges)

### File Listing:

| Document Number                     | Document Description                    | File Name                   | File Size(Bytes)/<br>Message Digest               | Multi Part /.zip | Pages (if appl.) |
|-------------------------------------|-----------------------------------------|-----------------------------|---------------------------------------------------|------------------|------------------|
| 1                                   | Issue Fee Payment (PTO-85B)             | 058377-0423891_IssueFee.pdf | 997194<br>ff7dd2f153a52468434765ca744744af681ff71 | no               | 1                |
| <b>Warnings:</b>                    |                                         |                             |                                                   |                  |                  |
| <b>Information:</b>                 |                                         |                             |                                                   |                  |                  |
| 2                                   | Post Allowance Communication - Incoming | 058377-0423891_Comments.pdf | 498642<br>7c73a564e1387fc7fe55a7383f5e5e7d5d9e0c  | no               | 2                |
| <b>Warnings:</b>                    |                                         |                             |                                                   |                  |                  |
| <b>Information:</b>                 |                                         |                             |                                                   |                  |                  |
| 3                                   | Fee Worksheet (SB06)                    | fee-info.pdf                | 30549<br>7825d1f5b6e878a1a3e286117d045642ee89f3dd | no               | 2                |
| <b>Warnings:</b>                    |                                         |                             |                                                   |                  |                  |
| <b>Information:</b>                 |                                         |                             |                                                   |                  |                  |
| <b>Total Files Size (in bytes):</b> |                                         |                             | 1526385                                           |                  |                  |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

#### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO. | ISSUE DATE | PATENT NO. | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|------------|------------|---------------------|------------------|
| 13/972,843      | 03/29/2016 | 9301117    | 058377-0423891      | 1075             |

909 7590 03/09/2016  
Pillsbury Winthrop Shaw Pittman, LLP (NV)  
PO Box 10500  
McLean, VA 22102

## ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

### **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)** (application filed on or after May 29, 2000)

The Patent Term Adjustment is 233 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

TRITECH SOFTWARE SYSTEMS, San Diego, CA;  
David J. Leggett, Hope Island, AUSTRALIA;  
Christopher David Maloney, Rancho Santa Fe, CA;  
Scott Michael MacDonald, Norfolk, MA;  
Mark David Hamilton, San Diego, CA;  
Erik Christian Loberg, Carlsbad, CA;  
Chen-Lu Meng, San Diego, CA;  
Ken D. Martin, Golden, CO;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit [SelectUSA.gov](http://SelectUSA.gov).

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF<br/>MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Docket Number (Optional) |
| Page 1 of 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
| <p>Mail to: <b>Mail Stop Petition</b><br/>         Commissioner for Patents<br/>         P.O. Box 1450<br/>         Alexandria, VA 22313-1450<br/>         Fax: (571) 273-8300</p> <p>NOTE: If information or assistance is needed in completing this form, please contact the Office of Petitions at (571) 272-3282.</p> <p>Patent No. <u>9,301,117</u>                      Application Number <u>13/972,843</u></p> <p>Issue Date <u>March 29, 2016</u>                      Filing Date <u>August 21, 2013</u></p> <p>CAUTION: Maintenance fee payment must correctly identify: (1) the patent number (or reissue patent number, if a reissue) and (2) the application number of the actual U.S. application (or reissue application) leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).</p> <p><b>Also complete the following information, if applicable.</b></p> <p>The above-identified patent</p> <p><input type="checkbox"/> is a reissue of original Patent No. _____ original issue date _____</p> <p style="padding-left: 40px;">original application number _____</p> <p style="padding-left: 40px;">original filing date _____.</p> <p><input type="checkbox"/> resulted from the entry into the U.S. under 35 U.S.C. 371 of international application _____</p> <p style="padding-left: 40px;">filed on _____.</p> <p>NOTE: A grantable petition requires the following items:</p> <ul style="list-style-type: none"> <li>(1) Petition fee;</li> <li>(2) Maintenance fee; and</li> <li>(3) Statement that the delay in payment of the maintenance fee was unintentional.</li> </ul> |                          |
| <div style="text-align: center; border: 1px solid black; padding: 5px;"> <b>CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))</b> </div> <p>I hereby certify that this paper (* along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or being transmitted to the USPTO by the USPTO patent electronic filing system, or by facsimile to (571) 273-8300, on the date shown below.</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p><u>April 10, 2024</u></p> <p style="text-align: center;">Date</p> </div> <div style="width: 45%;"> <p><u>/Caitlin Coverstone/</u></p> <p style="text-align: center;">Signature</p> <p><u>Caitlin Coverstone</u></p> <p style="text-align: center;">Typed or Printed Name of Person Signing Certificate</p> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |

[page 1 of 3]

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Page 2 of 4

**1. SMALL ENTITY**

☐ Patentee asserts, or has previously asserted, small entity status. See 37 CFR 1.27.

**2. LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS**

☐ Patentee is no longer entitled to small entity status. See 37 CFR 1.27(g).

**3. MICRO ENTITY**

☐ Patentee certifies, or has previously certified, micro entity status. See 37 CFR 1.29  
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

**4. LOSS OF ENTITLEMENT TO MICRO ENTITY STATUS**

☐ Patentee is no longer entitled to micro entity status. See 37 CFR 1.29(i).

**5. MAINTENANCE FEE (37 CFR 1.20(e)-(g))**

The appropriate maintenance fee must be submitted with this petition, unless it was paid earlier.

| Undiscounted                                 |            |        | Small Entity                      |            |        | Micro Entity                      |            |        |
|----------------------------------------------|------------|--------|-----------------------------------|------------|--------|-----------------------------------|------------|--------|
| Amount                                       | Fee        | (Code) | Amount                            | Fee        | (Code) | Amount                            | Fee        | (Code) |
| <input type="checkbox"/> \$ _____            | 3½ yr fee  | (1551) | <input type="checkbox"/> \$ _____ | 3½ yr fee  | (2551) | <input type="checkbox"/> \$ _____ | 3½ yr fee  | (3551) |
| <input checked="" type="checkbox"/> \$ 3,760 | 7½ yr fee  | (1552) | <input type="checkbox"/> \$ _____ | 7½ yr fee  | (2552) | <input type="checkbox"/> \$ _____ | 7½ yr fee  | (3552) |
| <input type="checkbox"/> \$ _____            | 11½ yr fee | (1553) | <input type="checkbox"/> \$ _____ | 11½ yr fee | (2553) | <input type="checkbox"/> \$ _____ | 11½ yr fee | (3553) |

MAINTENANCE FEE BEING SUBMITTED \$ 3,760

**6. PETITION FEE**

The petition fee required by 37 CFR 1.17(m) of:

\$ 2,100 Undiscounted (Fee Code 1558); or

\$ \_\_\_\_\_ Small Entity (Fee Code 2558); or

\$ \_\_\_\_\_ Micro Entity (Fee Code 3558)

must be paid as a condition of accepting an unintentionally delayed payment of a maintenance fee.

PETITION FEE BEING SUBMITTED \$ 2,100

**7. MANNER OF PAYMENT**

☐ Enclosed is a check for the sum of \$ \_\_\_\_\_

☒ Please charge Deposit Account No. 06-0916 the sum of \$ 3,760

☐ Payment by credit card. Form PTO-2038 is attached.

☒ Payment made via USPTO patent electronic filing system.

**8. AUTHORIZATION TO CHARGE ANY FEE DEFICIENCY**

☒ The Director is hereby authorized to charge any maintenance fee or petition deficiency to Deposit Account No. 06-0916

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT  
OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))**

Page 3 of 4

**9. OVERPAYMENT**

As to any overpayment made, please

☒ Credit to Deposit Account No. 06-0916**OR**☐ Send refund check**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information, such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form (PTO-2038) submitted for payment purposes), is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioner/applicant should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms (PTO-2038) submitted for payment purposes are not retained in the application file and therefore are not publicly available.

**10. STATEMENT**

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

☐ Because this petition under 37 CFR 1.378 is being filed more than two years after the date the patent expired for nonpayment of the maintenance fee, additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional is enclosed herewith.

**PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT  
OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))**

Page 4 of 4

**11. PETITIONER REQUESTS THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT BE REINSTATED.**

April 10, 2024

Date

/Caitlin Coverstone/

Signature(s) of Petitioner

81,980

Registration Number, if applicable

Caitlin Coverstone

Typed or Printed Name

202.924.6980

Telephone Number

Finnegan, Henderson, Farabow, Garrett &amp; Dunner, LLP

Address

901 New York Avenue, NW, Washington, DC 20001-4413

Address

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with § 1.33(b)."

**12. ENCLOSURES**

- ☒ Maintenance Fee Payment
- ☒ Petition fee under 37 CFR 1.17(m) (fee for filing the maintenance fee petition)
- ☐ Additional sheet(s) containing statement establishing unintentional delay
- ☐ Other: \_\_\_\_\_

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). <https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

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- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

## TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

|                        |                                      |
|------------------------|--------------------------------------|
| Application Number     | 13/972,843                           |
| Filing Date            | August 21, 2013                      |
| First Named Inventor   | David J. Leggett                     |
| Title                  | SMS COMMUNICATION DURING EMERGENCIES |
| Art Unit               | 2641                                 |
| Examiner Name          | Edward Zhang                         |
| Attorney Docket Number |                                      |

### SIGNATURE of Applicant or Patent Practitioner

|                                                    |                          |                     |                |
|----------------------------------------------------|--------------------------|---------------------|----------------|
| Signature                                          | /Caitlin Coverstone/     | Date (Optional)     | April 10, 2024 |
| Name                                               | Caitlin Coverstone       | Registration Number | 81, 980        |
| Title (if Applicant is a juristic entity)          |                          |                     |                |
| Applicant Name (if Applicant is a juristic entity) | TRITECH SOFTWARE SYSTEMS |                     |                |

**NOTE:** This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.



\*Total of One (1) forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82B (07-13)

Approved for use through 03/31/2021. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number

Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)



I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

22,852

OR



I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:



The address associated with the above-mentioned Customer Number

OR



The address associated with Customer Number:

OR



Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

TRITECH SOFTWARE SYSTEMS



Inventor or Joint Inventor (title not required below)



Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)



Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)



Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

### SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

1/26/2023

Name

Barry Meditz

Title

General Counsel and Corporate Secretary

**NOTE:** Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.



Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNITED STATES  
PATENT AND TRADEMARK OFFICE

P.O. Box 1450  
Alexandria, VA 22313 - 1450  
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## ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #  
**13/972,843**

RECEIPT DATE / TIME  
**04/10/2024 08:24:28 PM Z ET**

ATTORNEY DOCKET #  
**058377-0423891**

### Title of Invention

SMS COMMUNICATION DURING EMERGENCIES

### Application Information

APPLICATION TYPE Utility - Nonprovisional Application  
under 35 USC 111(a)

PATENT # 9301117

CONFIRMATION # 1075

FILED BY Charlene Woods

PATENT CENTER # 65047005

FILING DATE 08/21/2013

CUSTOMER # 909

FIRST NAMED INVENTOR David J. Leggett

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Caitlin Coverstone

### Documents

**TOTAL DOCUMENTS: 2**

| DOCUMENT                                              | PAGES | DESCRIPTION                                        | SIZE (KB) |
|-------------------------------------------------------|-------|----------------------------------------------------|-----------|
| Petition_to_Accept_Delayed_Maintenance_Fee_sb0066.pdf | 5     | Petition for review/processing depending on status | 354 KB    |
| 117_Parent_POA.pdf                                    | 2     | Power of Attorney                                  | 4541 KB   |

### Digest

| DOCUMENT                                              | MESSAGE DIGEST(SHA-512)                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Petition_to_Accept_Delayed_Maintenance_Fee_sb0066.pdf | F8E05F8DFE03741754DD0DCB60C3D42CE559C5CDBC5F684FCC344EB52A74CDC83F57A8AC59A15672DAB65FD80B2B6DA3 |

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53061F334FDED508753E6BB3BE68E1ED

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117\_Parent\_POA.pdf

11DAF7CBC077A2CD19ECA7710A928E1442855CD37C9B62BF  
D26E0F7629EB04F3A929B59ED8B64592B3D3991ACADA8BF56  
475FF65FB2459BC3E7568BBC8631342

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES  
PATENT AND TRADEMARK OFFICE

P.O. Box 1450  
Alexandria, VA 22313 - 1450  
www.uspto.gov

## ELECTRONIC PAYMENT RECEIPT

APPLICATION #  
13/972,843

RECEIPT DATE / TIME  
04/10/2024 08:24:28 PM Z ET

ATTORNEY DOCKET #  
058377-0423891

### Title of Invention

SMS COMMUNICATION DURING EMERGENCIES

### Application Information

APPLICATION TYPE Utility - Nonprovisional Application  
under 35 USC 111(a)

PATENT # 9301117

CONFIRMATION # 1075

FILED BY Charlene Woods

PATENT CENTER # 65047005

AUTHORIZED BY Caitlin Coverstone

CUSTOMER # 909

FILING DATE 08/21/2013

CORRESPONDENCE  
ADDRESS -

FIRST NAMED  
INVENTOR David J. Leggett

### Payment Information

PAYMENT METHOD  
CARD / 1002

PAYMENT TRANSACTION ID  
E202440K31146704

PAYMENT AUTHORIZED BY  
Charlene Woods

| FEE CODE         | DESCRIPTION                                                                                                                                                                                                                     | ITEM PRICE(\$) | QUANTITY | ITEM TOTAL(\$) |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|----------------|
| 1453             | PETITION FOR REVIVAL OF AN<br>ABANDONED APPLICATION FOR A<br>PATENT, FOR THE DELAYED<br>PAYMENT OF THE FEE FOR<br>ISSUING EACH PATENT, OR FOR<br>THE DELAYED RESPONSE BY THE<br>PATENT OWNER IN ANY<br>REEXAMINATION PROCEEDING | 2100.00        | 1        | 2100.00        |
| TOTAL<br>AMOUNT: |                                                                                                                                                                                                                                 |                |          | \$2,100.00     |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

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## ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #  
**13/972,843**

RECEIPT DATE / TIME  
**04/12/2024 10:27:35 AM Z ET**

ATTORNEY DOCKET #  
**058377-0423891**

### Title of Invention

SMS COMMUNICATION DURING EMERGENCIES

### Application Information

APPLICATION TYPE Utility - Nonprovisional Application  
under 35 USC 111(a)

PATENT # 9301117

CONFIRMATION # 1075

FILED BY Caitlin Coverstone

PATENT CENTER # 65068043

FILING DATE 08/21/2013

CUSTOMER # 22852

FIRST NAMED INVENTOR David J. Leggett

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

### Documents

**TOTAL DOCUMENTS: 1**

| DOCUMENT             | PAGES | DESCRIPTION            | SIZE (KB) |
|----------------------|-------|------------------------|-----------|
| petition-request.pdf | 2     | ePetition Request Form | 30 KB     |

### Digest

| DOCUMENT             | MESSAGE DIGEST(SHA-512)                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| petition-request.pdf | 957FE4BF68A36507F0F67D72D745078474EC46D8808230CD7B<br>481B36E593693949A42401BB7F0E128C2E34F4880F0BAC58B3<br>CD5792B05F597035595336F5A374 |

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## ELECTRONIC PAYMENT RECEIPT

APPLICATION #  
13/972,843

RECEIPT DATE / TIME  
04/12/2024 10:27:35 AM Z ET

ATTORNEY DOCKET #  
058377-0423891

### Title of Invention

SMS COMMUNICATION DURING EMERGENCIES

### Application Information

APPLICATION TYPE Utility - Nonprovisional Application  
under 35 USC 111(a)

PATENT # 9301117

CONFIRMATION # 1075

FILED BY Caitlin Coverstone

PATENT CENTER # 65068043

AUTHORIZED BY -

CUSTOMER # 22852

FILING DATE 08/21/2013

CORRESPONDENCE  
ADDRESS -

FIRST NAMED  
INVENTOR David J. Leggett

### Payment Information

PAYMENT METHOD  
CARD / 1002

PAYMENT TRANSACTION ID  
E20244BA28487608

PAYMENT AUTHORIZED BY  
Caitlin Coverstone

| FEE CODE      | DESCRIPTION                                                                   | ITEM PRICE(\$) | QUANTITY | ITEM TOTAL(\$) |
|---------------|-------------------------------------------------------------------------------|----------------|----------|----------------|
| 1552          | MAINTENANCE FEE DUE AT 7.5 YEARS                                              | 3760.00        | 1        | 3760.00        |
| 1558          | PETITION FOR THE DELAYED PAYMENT OF THE FEE FOR MAINTAINING A PATENT IN FORCE | 2100.00        | 1        | 2100.00        |
| TOTAL AMOUNT: |                                                                               |                |          | \$5,860.00     |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

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Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313 - 1450  
[www.uspto.gov](http://www.uspto.gov)

## GRANT LETTER

APPLICATION #  
13/972,843

DECISION DATE  
04/12/2024

DECISION ON PETITION #  
UNDER CFR 1.378(b)

ATTORNEY DOCKET NUMBER  
058377-0423891

### Title of Invention

SMS COMMUNICATION DURING EMERGENCIES

In re Patent # 9301117

Issue date: 03/29/2016

Filing date: 08/21/2013

This is an electronic decision on the petition under 37 CFR 1.378(b), filed April 12, 2024 to accept unintentional delayed payment of the 7.5 year maintenance fee for the above-identified patent.

The petition is **GRANTED**.

The maintenance fee is accepted, and the above-identified patent reinstated as of April 12, 2024. This decision also constitutes notice that the fee has been accepted. An electronic copy of the petition and this decision has been created as an entry in the Image File Wrapper. Nevertheless, petitions should print and retain an independent copy.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197.

Office of Petitions



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## PETITION TO ACCEPT UNINTENTIONAL DELAYED PAYMENT OF MAINTENANCE FEE (37 CFR 1.378(b))

APPLICATION #  
13972843

FIRST NAMED INVENTOR  
David Leggett

ATTORNEY DOCKET #  
058377-0423891

FILING DATE  
08/21/2013

### Title of Invention

SMS COMMUNICATION DURING EMERGENCIES

In re Patent #: 9301117

Issue date: 03/29/2016}

The delay in the payment of the maintenance fee to the above-identified patent was unintentional.

### PETITIONER(S) REQUEST THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT REINSTATED

(1) Petition fee under 37 CFR 1.17(m) is attached

Applicant claims the following entity status

Regular Undiscounted

(2) Statement

The delay in the payment of the maintenance fee to this patent was unintentional

- Petitioner(s) is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.
- Petitioner(s) is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of

the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

## Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application

| Signature            | Name               | Registration # |
|----------------------|--------------------|----------------|
| /Caitlin Coverstone/ | Caitlin Coverstone | 81980          |

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PETAUTO SB64.0



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 13/972,843         | 08/21/2013            | David J. Leggett      | 058377-0423891         |

**CONFIRMATION NO. 1075**

**POWER OF ATTORNEY NOTICE**



\*OC000000071036672\*

909  
Pillsbury Winthrop Shaw Pittman, LLP  
PO Box 10500  
McLean, VA 22102

Date Mailed: 04/17/2024

**NOTICE REGARDING CHANGE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 04/10/2024.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/rmohamed/



UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 13/972,843         | 08/21/2013            | David J. Leggett      | 058377-0423891         |

**CONFIRMATION NO. 1075**

22852  
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER  
LLP  
901 NEW YORK AVENUE, NW  
WASHINGTON, DC 20001-4413

**POA ACCEPTANCE LETTER**



\*OC000000071036695\*

Date Mailed: 04/17/2024

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 04/10/2024.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/rmohamed/

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                               |   |                           |
|-------------------------------|---|---------------------------|
| In re Patent of:              | ) |                           |
|                               | ) |                           |
| David J. Leggett et al.       | ) | Group Art Unit: 2641      |
|                               | ) |                           |
| U.S. Patent No. 9,301,117     | ) | Examiner:                 |
|                               | ) |                           |
| Issued: March 29, 2016        | ) | Confirmation No. 1075     |
|                               | ) |                           |
| Application No.: 13/972,843   | ) | <b><i>Via EFS-Web</i></b> |
|                               | ) |                           |
| Filed: August 21, 2013        | ) |                           |
|                               | ) |                           |
| For: SMS COMMUNICATION DURING | ) |                           |
| EMERGENCIES                   | ) |                           |

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Commissioner:

**REQUEST FOR REFUND**

Patentee hereby respectfully requests a refund of \$2100, due to the duplicate payment of the petition fee, as described in detail below.

On April 10, 2024, Patentee filed a Petition to Accept Unintentionally Delayed Payment of Maintenance Fee in an Expired Patent (37 CFR 1.378(b)), with **Petition Fee payment of \$2100**. On April 10, 2024, Patentee also filed a Power of Attorney.

On April 11, 2024, Patentee's representative contacted the Patent and Trademark Office (PTO) to inquire as to the processing of the Petition and an approximation of how long it will take to reinstate the patent. The PTO representative indicated that it could be months before the petition was picked up and acted on and that Patentee should file an expedited petition for quicker processing.

On April 12, 2024, Patentee's representative saw in Patent Center, that the PTO accepted the Power of Attorney. Shortly after obtaining Power of Attorney and instead of filing an expedited petition, Patentee's representative filed an e-petition **paying the**

**petition fee again** and paid the maintenance fee. The patent was subsequently reinstated.

Thus, as described above, Patentee paid the petition fee twice. **Patentee hereby respectfully requests a refund of \$2100, due to the duplicate payment of the petition fee.**

Please credit the refund of \$2100 to the credit card number that the fee was charged to. If you have any questions, please contact the phone number listed below.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: April 19, 2024

By: /Caitlin Coverstone/  
Caitlin Coverstone  
Reg. No. 81,980  
(202) 924-6980



UNITED STATES  
PATENT AND TRADEMARK OFFICE

P.O. Box 1450  
Alexandria, VA 22313 - 1450  
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## ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #  
**13/972,843**

RECEIPT DATE / TIME  
**04/19/2024 03:31:20 PM Z ET**

ATTORNEY DOCKET #  
**058377-0423891**

### Title of Invention

SMS COMMUNICATION DURING EMERGENCIES

### Application Information

APPLICATION TYPE Utility - Nonprovisional Application  
under 35 USC 111(a)

PATENT # 9301117

CONFIRMATION # 1075

FILED BY Charlene Woods

PATENT CENTER # 65169808

FILING DATE 08/21/2013

CUSTOMER # 22852

FIRST NAMED  
INVENTOR David J. Leggett

CORRESPONDENCE  
ADDRESS -

AUTHORIZED BY Caitlin Coverstone

### Documents

**TOTAL DOCUMENTS: 1**

| DOCUMENT                                         | PAGES | DESCRIPTION    | SIZE (KB) |
|--------------------------------------------------|-------|----------------|-----------|
| Request_for_Refund____petition____fee____CTC.pdf | 2     | Refund Request | 132 KB    |

### Digest

| DOCUMENT                                         | MESSAGE DIGEST(SHA-512)                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Request_for_Refund____petition____fee____CTC.pdf | 7419254E5931228A437B2D27D084884C58358870B92E5AE8928<br>DC9411F4980F10BA38AD854DE3956A4BF83347AEA3366FA0C<br>641D76B49A217AA08EA12D8693A2 |

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**New Applications Under 35 U.S.C. 111**

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**New International Application Filed with the USPTO as a Receiving Office**

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# United States Patent and Trademark Office

*Office of the Chief Financial Officer*

Document Code:WFEE

User :Suad Mohammed

Refund Accounting Date:05/22/2024

| Effective Date | Sale Item Reference Number | Refund Total |
|----------------|----------------------------|--------------|
| 05/22/2024     | 13972843                   | \$2,100.00   |

| Document Number  | Fee Code | Fee Code Description                           | Amount Paid | Payment Method   | Account Number |
|------------------|----------|------------------------------------------------|-------------|------------------|----------------|
| I20245L917457912 | 1453     | PET. REVIVE<br>ABANDON APP, DELAY<br>PYMT-RESP | \$2,100.00  | American Express | *****1002      |



# United States Patent and Trademark Office

*Office of the Chief Financial Officer*

Document Code:WFEE

User :Suad Mohammed

Sale Adjustment Accounting Date:05/22/2024

| Effective Date | Sale Accounting Date | Sale Item Reference Number |
|----------------|----------------------|----------------------------|
| 05/22/2024     | 05/22/2024           | 13972843                   |

| Document Number  | Fee Code | Fee Code Description                        | Amount Paid | Payment Method   |
|------------------|----------|---------------------------------------------|-------------|------------------|
| I20245L917457912 | 1453     | PET. REVIVE ABANDON APP,<br>DELAY PYMT-RESP | \$2,100.00  | American Express |



# UNITED STATES PATENT AND TRADEMARK OFFICE

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|                                                                                                               |             |                      |                     |                  |
|---------------------------------------------------------------------------------------------------------------|-------------|----------------------|---------------------|------------------|
| APPLICATION NO.                                                                                               | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 13/972,843                                                                                                    | 08/21/2013  | David J. Leggett     | 058377-0423891      | 1075             |
| 22852                                                                                                         | 7590        | 06/06/2024           | EXAMINER            |                  |
| FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER<br>LLP<br>901 NEW YORK AVENUE, NW<br>WASHINGTON, DC 20001-4413 |             |                      | ZHANG, XIANG        |                  |
|                                                                                                               |             |                      | ART UNIT            | PAPER NUMBER     |
|                                                                                                               |             |                      | 2641                |                  |
|                                                                                                               |             |                      | NOTIFICATION DATE   | DELIVERY MODE    |
|                                                                                                               |             |                      | 06/06/2024          | ELECTRONIC       |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

regional-desk@finnegan.com



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Alexandria, VA 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

In re Patent No. 9,301,117  
Issue Date: March 29, 2016  
Application No. 13/972,843  
Filing or 371(c) Date: 21 Aug 2013  
Attorney Docket No. 058377-0423891

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DECISION ON PETITION

This is a decision on the petition under 37 CFR 1.378(b), filed April 10, 2024, to accept the unintentionally delayed payment of a maintenance fee for the above-identified patent.

The petition is **DISMISSED AS MOOT**.

A review of the file record indicates that an ePetition under 37 CFR 1.378(b) was filed on April 12, 2024. The petition was auto granted on April 12, 2024. The patent was reinstated as of the granted ePetition auto granted on April 12, 2024.

Any questions concerning this matter may be directed to the undersigned at (571) 272-4618.

/KIMBERLY A INABINET/  
Paralegal Specialist, OPET



# UNITED STATES PATENT AND TRADEMARK OFFICE

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|                                                                                                               |             |                      |                     |                  |
|---------------------------------------------------------------------------------------------------------------|-------------|----------------------|---------------------|------------------|
| APPLICATION NO.                                                                                               | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 13/972,843                                                                                                    | 08/21/2013  | David J. Leggett     | 058377-0423891      | 1075             |
| 22852                                                                                                         | 7590        | 06/13/2024           | EXAMINER            |                  |
| FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER<br>LLP<br>901 NEW YORK AVENUE, NW<br>WASHINGTON, DC 20001-4413 |             |                      | ZHANG, XIANG        |                  |
|                                                                                                               |             |                      | ART UNIT            | PAPER NUMBER     |
|                                                                                                               |             |                      | 2641                |                  |
|                                                                                                               |             |                      | NOTIFICATION DATE   | DELIVERY MODE    |
|                                                                                                               |             |                      | 06/13/2024          | ELECTRONIC       |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

regional-desk@finnegan.com



UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent No. 9,301,117  
Issue Date: March 29, 2016  
Application No. 13/972,843  
Filing or 371(c) Date: 21 Aug 2013  
Attorney Docket No. 058377-0423891

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DECISION ON PETITION

This is a decision on the request for refund received April 19, 2024.

The request for refund is **GRANTED**.

Applicant files the above request for refund of \$2,100.00, stating in part that “On April 10, 2024, Patentee filed a Petition to Accept Unintentionally Delayed Payment of Maintenance Fee in an Expired Patent . . . with Petition fee payment of \$2,100. Patentee’s representative filed an e-petition paying the petition fee again and paid the maintenance fee . . . as described above, Patentee paid the petition fee twice. Patentee hereby respectfully requests a refund of \$2,100, due to the duplicate payment of the petition fee.”

A review of the Office records for the above-identified application, show that applicant filed a Petition to Accept Unintentionally Delayed Payment of Maintenance Fee in an Expired Patent under 37 CFR 1.378(b) on April 10, 2024, with a petition fee of \$2,100.00. Applicant then filed an ePetition to Accept Unintentionally Delayed Payment of Maintenance Fee in an Expired Patent under 37 CFR 1.378(b) on April 12, 2024, along with a petition fee of \$2,100.00. The petition was auto granted on April 12, 2024. The petition filed April 10, 2024 was dismissed as moot on June 6, 2024. As such, a duplicate payment was made.

In view of the above and a review of the Office finance records for the above-identified application, the request for refund is granted. The fee of \$2,100 has been refunded to petitioner’s credit card.

Any questions concerning this matter may be directed to Kimberly Inabinet at (571) 272-4618.

/KIMBERLY A INABINET/  
Paralegal Specialist, OPET