

# Exhibit 2



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(12) **United States Patent**  
**Beyer, Jr. et al.**

(10) **Patent No.:** **US 9,445,251 B2**  
(45) **Date of Patent:** **Sep. 13, 2016**

(54) **METHOD TO PROVIDE AD HOC AND  
PASSWORD PROTECTED DIGITAL AND  
VOICE NETWORKS**

(58) **Field of Classification Search**  
CPC ..... H04W 4/02  
USPC ..... 455/404.2, 456.1  
See application file for complete search history.

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WA (US)**

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(\* ) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **14/633,804**

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(65) **Prior Publication Data**

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**Related U.S. Application Data**

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Oct. 31, 2014, which is a continuation-in-part of  
application No. 14/027,410, filed on Sep. 16, 2013,  
now Pat. No. 8,880,042, which is a continuation of

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(51) **Int. Cl.**

**H04M 11/04** (2006.01)  
**H04W 24/00** (2009.01)

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(52) **U.S. Cl.**

CPC ..... **H04W 4/22** (2013.01); **G06F 3/0482**  
(2013.01); **G06F 3/04842** (2013.01); **H04L**  
**63/083** (2013.01); **H04L 67/18** (2013.01);

(Continued)

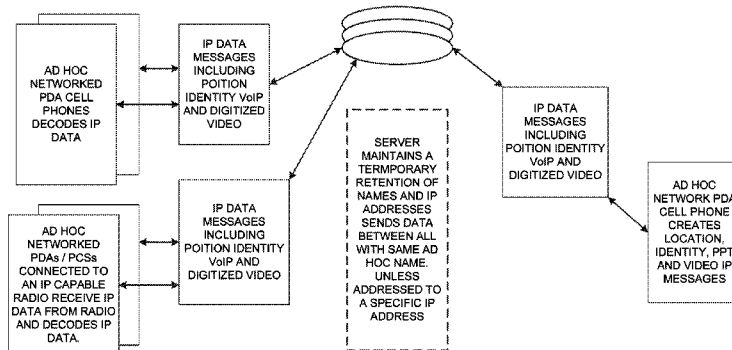
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**ABSTRACT**

A method and system includes the ability for individuals to  
set up an ad hoc digital and voice network easily and rapidly  
to allow users to coordinate their activities by eliminating  
the need for pre-entry of data into a web or identifying others  
by name, phone numbers or email. This method is especially  
useful for police, fire fighters, military, first responders or  
other emergency situations for coordinating different orga-  
nizations at the scene of a disaster to elevate conventional  
communication problems either up and down the chain of  
command or cross communication between different emer-  
gency units. The method and system provides that the users  
are only required to enter a specific Server IP address and an  
ad hoc event name, a password and perhaps the name of the  
particular unit.

**35 Claims, 7 Drawing Sheets**

ENABLING LOCATION, STATUS, VoIP, PTT AND VIDEO COMMUNICATIONS BETWEEN  
RADIOS AND CELL PHONES



**Related U.S. Application Data**

application No. 13/751,453, filed on Jan. 28, 2013, now Pat. No. 8,538,393, which is a continuation-in-part of application No. 12/761,533, filed on Apr. 16, 2010, now Pat. No. 8,364,129, which is a continuation-in-part of application No. 11/615,472, filed on Dec. 22, 2006, now Pat. No. 8,126,441, which is a continuation-in-part of application No. 11/308,648, filed on Apr. 17, 2006, now Pat. No. 7,630,724, which is a continuation-in-part of application No. 10/711,490, filed on Sep. 21, 2004, now Pat. No. 7,031,728.

(51) **Int. Cl.**

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- H04M 1/725* (2006.01)
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- H04W 4/02* (2009.01)
- H04W 4/08* (2009.01)
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- G06F 3/0482* (2013.01)
- G06F 3/0484* (2013.01)
- H04L 29/06* (2006.01)
- H04L 29/08* (2006.01)
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- H04W 4/10* (2009.01)
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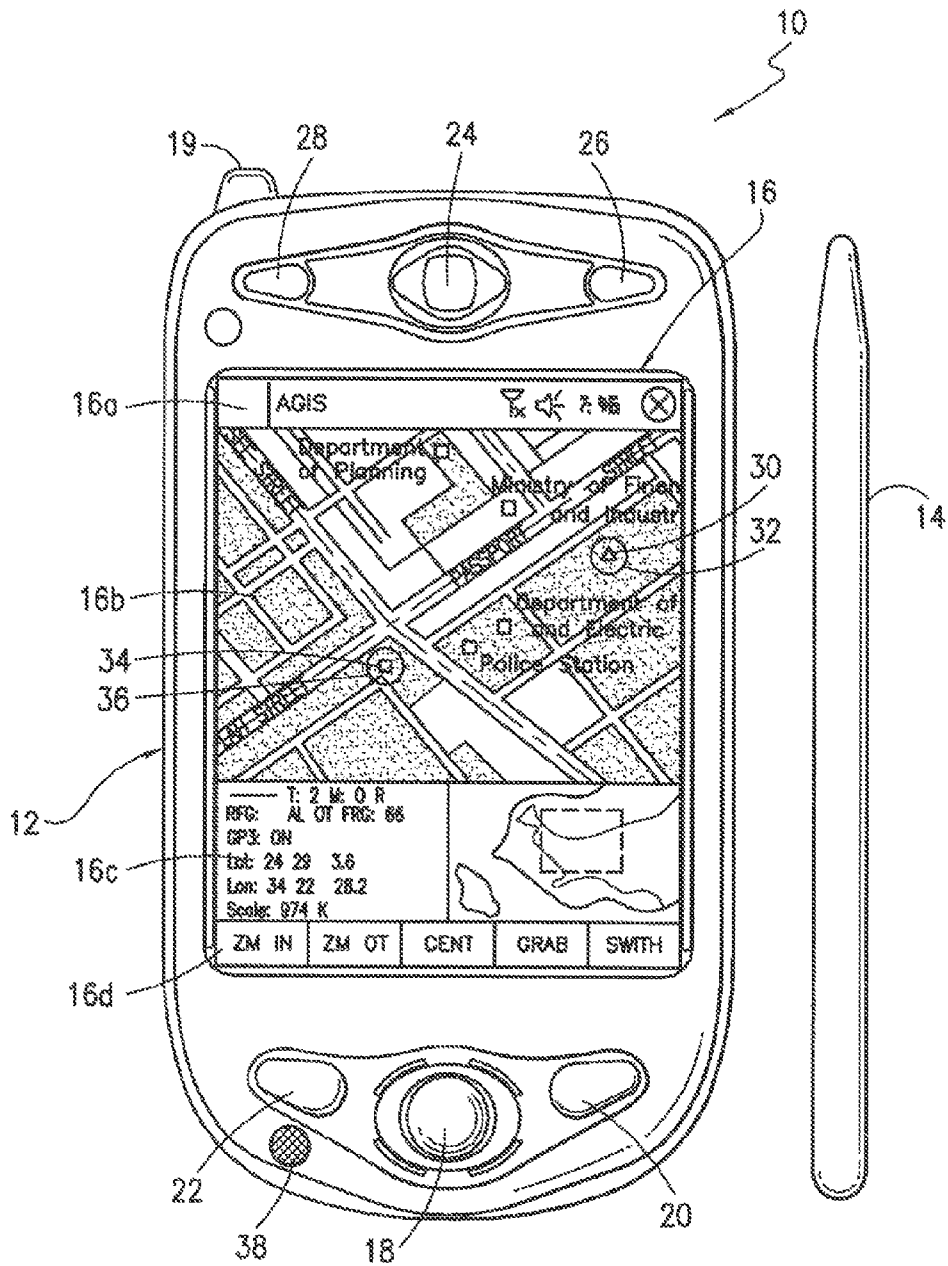
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