

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2773820

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEVEN L. GREENSPAN	03/17/2014
JAMES DONALD RENO	03/17/2014
RALF DIETER SABOROWSKI	03/18/2014
CHARLIE CHELL	03/18/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CA, INC.
<b>Street Address:</b>	ONE CA PLAZA
<b>City:</b>	ISLANDIA
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	11749
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14218345
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	214-953-6500
<b>Email:</b>	PTOmail1@bakerbotts.com
<b>Correspondent Name:</b>	BAKER BOTTS LLP
<b>Address Line 1:</b>	2001 ROSS AVENUE, 6TH FLOOR
<b>Address Line 4:</b>	DALLAS, TEXAS 75201
<b>ATTORNEY DOCKET NUMBER:</b>	063170.A002
<b>NAME OF SUBMITTER:</b>	LUKE K. PEDERSEN
<b>SIGNATURE:</b>	/Luke K. Pedersen/
<b>DATE SIGNED:</b>	03/18/2014
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

**WHEREAS**, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

**WHEREAS, CA, Inc.** (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of One CA Plaza, Islandia, New York 11749, desires to acquire my entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

**NOW, THEREFORE**, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

ATTORNEY DOCKET NO.  
063170.A002

ASSIGNMENT

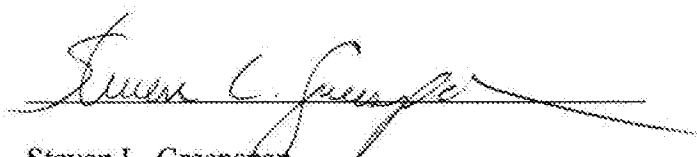
2 of 3

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:

SECURE DATA TRANSMISSION USING  
MULTI-CHANNEL COMMUNICATION

Signature of First Inventor:



Inventor's Name:

Steven L. Greenspan

Residence (City, State):

Scotch Plains, NJ

Date Assignment Executed:

3-17-2014

Title of Invention:

SECURE DATA TRANSMISSION USING  
MULTI-CHANNEL COMMUNICATION

Signature of Second Inventor:

\_\_\_\_\_

Inventor's Name:

James Donald Reno

Residence (City, State):

Scotts Valley, CA

Date Assignment Executed:

\_\_\_\_\_

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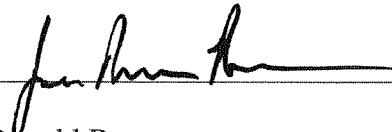
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\_\_\_\_\_

Title of Invention:

SECURE DATA TRANSMISSION USING  
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Signature of Second Inventor:

\_\_\_\_\_ 

Inventor's Name:

James Donald Reno

Residence (City, State):

Scotts Valley, CA

Date Assignment Executed:

\_\_\_\_\_ *March 17, 2014*

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063170.A002

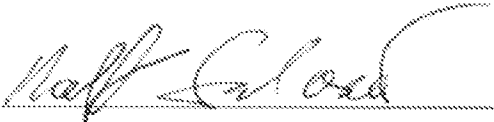
ASSIGNMENT

3 of 3

Title of Invention:

SECURE DATA TRANSMISSION USING  
MULTI-CHANNEL COMMUNICATION

Signature of Third Inventor:



Inventor's Name:

Ralf Dieter Saborowski

Residence (City, State):

Leichlingen, Germany

Date Assignment Executed:

3-18-14

Title of Invention:

SECURE DATA TRANSMISSION USING  
MULTI-CHANNEL COMMUNICATION

Signature of Fourth Inventor:

\_\_\_\_\_

Inventor's Name:

Charley Chell

Residence (City, State):

San Jose, CA

Date Assignment Executed:

\_\_\_\_\_

ATTORNEY DOCKET NO.  
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3 of 3

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SECURE DATA TRANSMISSION USING  
MULTI-CHANNEL COMMUNICATION

Signature of Third Inventor:

\_\_\_\_\_

Inventor's Name:

Ralf Dieter Saborowski

Residence (City, State):

Leichlingen, Germany

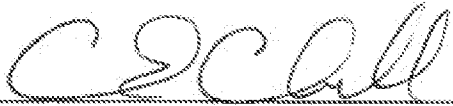
Date Assignment Executed:

\_\_\_\_\_

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SECURE DATA TRANSMISSION USING  
MULTI-CHANNEL COMMUNICATION

Signature of Fourth Inventor:

\_\_\_\_\_

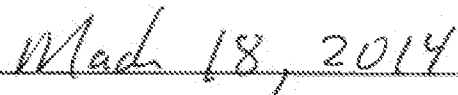
Inventor's Name:

Charley Chell

Residence (City, State):

San Jose, CA

Date Assignment Executed:

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